

DEVELOPMENT OF AN ONLINE AND TRAIN BUS TICKET RESERVATION SYSTEM FOR A TRANSPORTATION SERVICE INMUMBAI (QUICK-BT)

Mohammad Faraz M Khan, Vikas Rajbhar, Vaibhav Mahmia Amity School of technology, Amity University Amity University, Mumbai

Abstract— The use of bus traveling is a large growing business in India and other countries; the manual use of bus reservation is presently very strenuous and also consumes a lot of time by having to stay on a long queue. For this reason, an efficient system is to be proposed in this paper to ease the issue of bus reservation amongst indigenes within the country. The system is a web – based application that allows visitors to check bus availability, buy and pay bus ticket online. In order to achieve the design, Bombay Electric Supply & Transport (BEST) was chosen as a case study because of its strategic importance. Structured Systems Analysis and Design Methodology (SSADM) will be adopted. In this paper, the proposed bus reservation system was developed using Extensible Hypertext Markup Language (XHTML), PHP Hypertext Preprocessor (PHP), Structure Query Language (SQL), Ajax, Cascading Style Sheet (CSS), and JavaScript. This document gives formatting instructions for authors

I. INTRODUCTION

The Online Bus and Train Ticket Reservation System is a web-based application that allows visitors check bus ticket availability, buy bus ticket and pay the bus ticket online. This system is established for all the home/office users after gaining access from the administrator. Online Bus Reservation System provides bus transportation system, a facility to take tickets, cancellation of tickets and different types of enquiry which need an instant. This system can be used by the users in performing online reservation via internet for their all business purposes. Users can use this program directly on their websites and no need to install it. The use of bus and train traveling is a large growing business in India and other countries; hence bus reservation system deals with maintenance of records of each passenger who had reserved a seat for a journey. It also includes maintenance of information like schedule and details of each bus and train along with

traintiming.

Now to book local train or bus in Mumbai, we need to stand in queue and take long and then tsake ticket but it takes lot of time. The main purpose of this project is to automate the manual procedures of reserving a bus ticket for any journey made through Bombay Electric Supply & Transport (BEST) and for train booking we can book from indian railways. This system is said to be an automatic system and customers can select seats by themselves. Specifically, objectives of this project will consist of:

- i) Providing a web-based bus and train ticket reservation function where a customer can buy bus and ticket through the online system without a need to queue up at the counter to purchase a bus ticket.
- ii) Enabling customers to check the availability and types of busses online as well as train timing. Customer can check the time departure for every bus and train through the system.
- iii) Easing ticket payment by obtaining a bank pin after payments is made to the various designated banks or also we have QR code through which customer can pay through UPI
- iv) Ability of customers to cancel their reservation.
- v) Admin user privileges in updating and cancelling payment, route and vehicle records.

II. METHODOLOGY

A. Description of Proposed System

The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. It has got following features:

- It will ensure data accuracy.
- Records will be efficiently maintained by DBMS.
- Availability of seats can be enquired easily.
- Passengers can also cancel their tickets easily.
- Minimum time needed for the various processing.
- It will provide better Service.

E



B. Requirement Specification

Requirement Specification a complete description of the behavior of a system to be developed and may include a set of use cases that describe interactions the users will have with the software. In addition, it also contains nonfunctional requirements. Non-functional requirements impose constraints on the design or implementation (such as performance engineering requirements, quality standards, or design constraints)

C. Functional Requirements

Functional requirements define the specific functions that the system performs, along with the data operated on by the functions. The functional requirements are presented in scenarios that depict an operational system from the perspective of its end users. Included are one or more examples of all system features and an enumeration of all the specific requirements associated with these features.

- The system shall incorporate mechanism to authenticate its users
- The system shall verify and validate all user input and should notify in case of error detection and should help the user in error correction
- The system shall allow sharing of files in the system
- The system shall allow quick messages to be exchanged without face to face interaction

D. Non-Functional Requirement

Non-functional requirements address aspects of the system other than the specific functions it performs. These aspects include system performance, costs, and such general system characteristics as reliability, security, and portability. The non- functional requirements also address aspects of the system development process and operational personnel. It includes the following:

- The system shall be user friendly and consistent
- The system shall provide attractive graphical interface for the user
- The system shall allow developer access to installed environment
- The system shall target customer base

Architecture of The Proposed System

This supports existing infrastructure process requirements and provides specific recommendations for hardware and network solutions based on existing and projected user needs. Application requirements, data resources, and people within an organization are all important in determining the optimum hardware solution. It is represented using a three tier architecture that comprises of user interface, process management and Database Management System (DBMS). It shows the components of the system, the services they provide and the way they communicate to bring about the system functionality.

F. User Activities

The most common activities carried out by user are illustrated bellow

- The user can search for the seat
- The user can sign up/do registration with the system
- The registered user can login to the proposed system
- The user can check for the available seat
- The user can also do payment for the seat on the proposed system
- The user can print receipt on the system as evidence of payment
- G. Administrator Activities
- The administrator will verify all the registered user, and allow them to login to the system
- The administrator gives acknowledge to any payment usermade on the system
- The administrator can add vehicle, driver and generatereport as well

H. Data Flow Diagram

Data flow diagram is used to show the flow of data from external entities into the system. It is used to represent the physical and logical area of an information system. The data flow diagrams are pictorial or graphical representation of the Online Bus Ticket Reservation System. The data flow diagram covers all the processes and data storage area, which takes place during any transaction in the system.





Fig. 1 A data flow diagram of our application

The above Fig. 1 is workflow diagram of website we have created separate panels for both the admin and user. Users can register by providing their details and, upon successful registration, they can log in using their specified user ID and password. Admins can also log in using their admin ID and password. Once logged in, users can book train and bus tickets.

Additionally, if users require any assistance regarding their bookings or any other related issues, they can interact with our chatbot, which is available on our website.

III. RESULT AND DISCUSSIONS

The proposed bus reservation system was developed using Extensible Hypertext Markup Language (XHTML), PHP Hypertext Preprocessor (PHP), Structure Query Language (SQL), Cascading Style Sheet (CSS), and JavaScript. The relational database was adopted because is made up of a group of logically connected tables (data that has a relationship to other data). Therefore, establishing a relational database management system is a great way to increase data integrity, efficiency, ask questions, sort and filter data, provide stronger security, and share information, ease of use, data independent among others. Some user and database table are shown in this section.

A. Database Section

In this section we all will get database tables and in this application we have use 5 tables which are shown below.



| Serve | er: 12 | 7.0.0.1.4 | 1306 » 🛽 | Databa | se trair | 1 » 👪 | fable: u | serdalaba | se

 |

 | | | | | |
 | | |
 | |
 | | \$ |
|----------|--|--|---|---|--|---|---|---
--

--
---|--|--
--|--|--|---|--
--
--|---
--|---|---|
| Brows | se | M Str | ucture | sqi | . 9 | Searc | h ∄ | Insert | -

 | Export

 | | Import | | Privile | ges | P Op
 | erations | ۲ | Tracking
 | 26 | Triggers
 | | |
| Showi | ng rov | ws 0 - 5 | (6 total, Q | uery tool | 0.001 | 2 secon | ds.) | |

 |

 | | | | | |
 | | |
 | |
 | | |
| ECT * | FROM | 1 [°] user | database | | | | | |

 |

 | | | | | |
 | | |
 | |
 | | |
| Profilin | g [Ed | tit inline |][Edit][| Explain S | | Create F | PHP coo | le] [Refre | sh]

 |

 | | | | | |
 | | |
 | |
 | | |
|] Sh | ow all | Nurr | nber of rov | /s: 25 | ~ | Filte | r rows: | Search | this tab

 | le

 | | Sort by k | œy: | None | | v
 | | |
 | |
 | | |
| ions | | | | | | | | |

 |

 | | | | | |
 | _ | |
 | |
 | | |
| - | | | | Vserl |) Nam | e | Ema | ill |

 |

 | Gend | ler pa | ssw | ord | |
 | | |
 | (| ов
 | Phone | Joined_on |
| @ E | dit 🖥 | е Сору | Delet | e 51 | Vika | s Rajbh | ar vika | s@gmail.c | om

 |

 | М | 59 | 9447 | 1abb011 | 12afcc1 | 8159f6c
 | c74b4f51 | 169980 |)6da59b3c
 | a 2 | 001-04-09
 | 7755804544 | 2023-05-12 01:38:0 |
| 2 E | dit 🗿 | е Сору | Delet | e 52 | Rad | he | radh | e@gmail. | com

 |

 | М | 15 | e2b0 | d3c3389 | 1ebb0f1 | ef609ed
 | 4194200 | 20e320 |)ce94c65fl
 | ю 2 | 001-04-09
 | 9876543210 | 2023-05-12 11:01:1 |
| 0 E | dit 📱 | é Copy | O Delet | e 53 | Vika | s Rajbh | ar vika | srajbhar25 | 26@gr

 | nail.com

 | F | b2 | fca9a | af31aae6 | 953124 | 439df5b
 | c300c1et | 11fb8b | e938aeb5
 | 2 | 001-04-09
 | 7755804574 | 2023-05-12 15:13:5 |
| QE | dit 🖥 | c Copy | C Delet | e 80 | Vika | s | vika | s1@gmail | com

 |

 | М | 7a | i5df5f | fa0dec2 | 28d90t | 8d0a0f
 | 6076767 | 48b0a | 41314c123
 | 0 0 | 000-00-00
 | 1010 | 2023-05-13 13:03:2 |
| 0 E | dit 🖥 | é Copy | C Delet | e 83 | Vika | s | vika | s2@gmail | com

 |

 | М | b7 | 4b7e | 3fcb623 | 1805dac | f98db27
 | 530f845 | 760c47 | e3b0faa70
 | 2 0 | 000-00-00
 | 3030 | 2023-05-13 13:04:2 |
| ØE | dit 🖥 | é Copy | C Delet | e 85 | Vika | s | vika | s6@gmail | com

 |

 | М | 73 | a2af | 3864fc50 | 0fa4904 | 8bf3003
 | 776c199 | 38/360 | e56bd036
 | 6 0 | 000-00-00
 |) 3030 | 2023-05-13 13:05:1 |
| _ 0 |) Che | eck all | With se | lected: | P Ec | lit | e Cop | 0 | Delete

 |

 | Export | | | | |
 | | |
 | |
 | | |
| | Servi
Brow:
Showi
ECT
Profilin
Ons
→
0 E
0 E
0 E
0 E
0 E
0 E
0 E
0 E | Server 12 Browse Showing row ECT * FROM Profiling [Ecc O Show all O Edit Ø Edit | Server 127 0.0 1 ≤ Browse M Str Showing rows 0 - 5 Showing rows 0 - 5 ECT * FROM * user Profiling [Edit inline Show all Nun Ors ·→ Ø Edit ﷺ Copy Ø Edit ﷺ Copy | Server: 127 0.0 1.4306 > Browse | Server: 127 0.0 1:4306 Database Browse | Server 127 0 0 14306 > □Database tran Browse M Structure SQL Showing rows 0 - 5 (6 total, Query took 0.001: Schwing rows 0 - 5 (6 total, Query took 0.001: ECT * FROM * userdatabase* Profiling [Edit inline] [Edit] [Explain SQL] [0 Show all Number of rows: 25 ✓ Ons ✓ ✓ ✓ Edit ¥ Copy Delete 51 Vika Ø Edit ¥ Copy Delete 52 Radi Ø Edit ¥ Copy Delete 53 Vika Ø Edit ¥ Copy Delete 83 Vika Ø Edit ¥ Copy Delete 85 Vika | Server: 127 0.0 1.4306 → Database train → Browse ✓ Structure SQL Search Showing rows 0 - 5 (6 total, Query took 0.0012 secondstructure SQL Search Showing rows 0 - 5 (6 total, Query took 0.0012 secondstructure SQL Search Showing rows 0 - 5 (6 total, Query took 0.0012 secondstructure Structure SQL Search Showing rows 0 - 5 (6 total, Query took 0.0012 secondstructure Filte Structure Filte O Show all Number of rows: 25 ✓ Filte O Show all Number of rows: 25 ✓ Filte Ons ✓ ✓ UserID Name Ø Edit 34 Copy Delete 52 Radhe Ø Edit 34 Copy Delete 53 Vikas Ø Edit 34 Copy Delete 83 Vikas Ø Edit 34 Copy Delete 85 Vikas Ø E | Server: 127 0.0.1.4306 × □ Database train × □ Tabler u Browse Y Structure SQL Search Image: Search Image: SQL Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROM `userdatabase` Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP cod O Show all Number of rows: 25 ✓ Filter rows: O Show all Number of rows: 25 ✓ Filter rows: O Show all Number of rows: 25 ✓ Filter rows: O Show all Number of rows: 25 ✓ Filter rows: Ons ✓ UserID Name Ema Ø Edit Image: Copy Delete 51 Vikas Rajbhar vika: Ø Edit Image: Copy Delete 53 Vikas vika: Ø Edit Image: Copy Delete 83 Vikas vika: Ø Edit | Server: 127 0.0 1.4306 × Database tran × isble userdataba Browse ✓ Structure SQL Search ist insert Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Structure SQL Search ist insert Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Structure SQL Search ist insert Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Search ist insert Show all Number of rows: 25 v Filter rows: Search O Show all Number of rows: 25 v Filter rows: Search O Show all Number of rows: 25 v Filter rows: Search Ons - VlserID Name Email Ø Edit if Copy Delete 52 Radhe radhe@gmail. Ø Edit if Copy Delete 53 Vikas vikasrajbhar25 Ø Edit if Copy Delete 83 Vikas vikas2@gmail Ø Edit if Copy Delete 83 Vikas vikas2@gmail Ø Edit </td <td>Server: 127.0 0 14306 > □Database train > □table: userdatabase Browse Image: Structure Image: SQL Image: Search Image: Search Image: Structure Image: SQL Image: Search Image: SQL Image: Search Image: SQL Image: SQL Image: SQL Image: SGL Image: SQL Image: SGL <td< td=""><td>Server: 127.0.0.14306 × ①Database tram × ②Table: userdatabase Browse</td><td>Server: 127 0.0 1.4306 > Database tran > Table userdatabase Browse ✓ Structure SQL Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search 1[Refresh] Show all Number of rows: 25 ▼ Filter rows: Search this table Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source Show all Number of rows: 25 ▼ Filter rows: Search this table Source Sour</td><td>Server: 127.0014306 > Database train > Dat</td><td>Server: 127:0014306 > Database train > Table: userdatabase Browse ✓ Structure ○ SQL ● Search If insert ● Export Import ● Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROM *userdatabase* Profiling [Edit inline][Edit][Explain SQL][Create PHP code][Refresh] O Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key: Ons ✓ UserID Name Email Gender passwi ✓ Edit # Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 599447 Ø Edit # Copy Delete 52 Radhe radh@gmail.com M 599447 Ø Edit # Copy Delete 53 Vikas Rajbhar vikas@gmail.com M 599447 Ø Edit # Copy Delete 53 Vikas vikasrajbhar2526@gmail.com M 7456451 Ø Edit # Copy Delete 83 Vikas vikas2@gmail.com M 7426451 Ø Edit # Copy Delete 83 Vikas vikas6@gmail.co</td><td>Server: 127.0014306 > Database train > intable userdatabase Browse ✓ Structure Import Import Import Privile Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Ect * FROM * userdatabase* From * userdatabase* Sort by key None Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key None On S ✓ UserID Name Email Gender password Gett ¥ Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471abb011 Ø Edit ¥ Copy Delete 52 Radhe radhe@gmail.com M 15e2b0d3c3389 Ø Edit ¥ Copy Delete 53 Vikas Rajbhar vikasrajbhar2526@gmail.com M 7a5dt5ffa0dec22 Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 74b7e3fcb623c Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 74b7e3fcb623c Ø Edit ¥ Copy Delete 83 Vikas vikas6@gmail.com M</td><td>Server: 127 00 1 4306 > Dalabase train > ■Table: userdatabase Browse ✓ Structure ③ SQL ④ Search 3 is insert ● Export ● Import ● Privileges Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) ECT * FROM *userdatabase* Profiling [Edit Inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] O Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key. None Ons ✓ UserID Name Email Gender password ✓ UserID Name Email Gender password ✓ Edit ¾ Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471 abb01112afcc1 ✓ Edit ¾ Copy Delete 52 Rathe rathe@gmail.com M 15e2b0d3c33891ebb0f1 ✓ Edit ¾ Copy Delete 53 Vikas vikas?@gmail.com M 7a5df5fia0dec2228d90b ✓ Edit ¾ Copy Delete 83 Vikas vikas2@gmail.com M 7a5df5fia0dec2228d90b ✓ Edit ¾ Copy Delete 83 Vikas<</td><td>Server: 127 0 0 1.4306 > Dalabase train > Table userdatabase Browse Import Import Privileges Operation Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Structure SQL Search Import Import Privileges Operation Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Filter rows Search 1 Refresh 1 None Visandatabase Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Sort by key. None Visandatabase Ons Filter rows Search 1 Refresh 1 Sond Very Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471abb01112afcc18159f6c Ø Edit ¥ Copy Delete 52 Radhe radhe@gmail.com M 15e2b0d3c33891ebb011ef609ec Ø Edit ¥ Copy Delete 53 Vikas Rajbhar vikas@gmail.com M 75df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vikas vikas1@gmail.com M 74df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 73df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vika</td><td>Server: 127 00 1.4306 > Database: tran > Table: userdatabase Browse Import Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Import Privileges Operations Provide of rows: 25 Filter rows Search this table Sort by key. None Import <th< td=""><td>Server: 127 0.0 1.4306 × Database tram × Lable: userdatabase Browse ✓ Structure SQL ▲ Search Import Import Privileges ✓ Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROH * userdatabase* Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Sort by key: None v One One Sort by key: None v UserID Name Email Cender password Vasa Rajbhar vikas@gmail.com M 152fca9af31aae6953124439df5bc300c1ef111b8b Ø Delete 53 Vikas Vikas vikas1@gmail.com M 7a5df5fla0dec2228d90b8d0a0f1b0767b748b0a Ø Delete 83 Vikas Vikas<!--</td--><td>Server: 127 0 0 1 4306 > Database: train > Istable: userdatabase: Export Import Privileges Operations Tracking Browse If Structure SQL Search Istable: userdatabase: Import Privileges Operations Tracking Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT FROM `userdatabase: Import Privileges Operations Tracking Show all Number of rows: 25 ✓ Filter rows Search this table Sort by key None Import I</td><td>Server: 127.0 0 14303 × Database: Intern × Internet in</td><td>Server: 127 0 0 1.4306 > Delatace: train > Indeleteration Browse If Structure SQL Search If Insert Export Import Privileges Operations Tracking Triggers Showing rows 0 - 5 (6 total, Query took 0 0012 seconds) ECI * FROM 'userdatabase' From 'userdatabase' From 'userdatabase' Filter rows Search this table Sort by key: None Import <tded td="" totatatabace<=""> <tdedatabace< td=""> Impor</tdedatabace<></tded></td><td>Server: 12 20 00 14366 >> Database bain > Fieldle userdstabase: Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Import Privileges Privileges Privileges Privileges Privileges Privileges Tracking Import Import Privileges Pr</td></td></th<></td></td<></td> | Server: 127.0 0 14306 > □Database train > □table: userdatabase Browse Image: Structure Image: SQL Image: Search Image: Search Image: Structure Image: SQL Image: Search Image: SQL Image: Search Image: SQL Image: SQL Image: SQL Image: SGL Image: SQL Image: SGL Image: SGL <td< td=""><td>Server: 127.0.0.14306 × ①Database tram × ②Table: userdatabase Browse</td><td>Server: 127 0.0 1.4306 > Database tran > Table userdatabase Browse ✓ Structure SQL Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search 1[Refresh] Show all Number of rows: 25 ▼ Filter rows: Search this table Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source Show all Number of rows: 25 ▼ Filter rows: Search this table Source Sour</td><td>Server: 127.0014306 > Database train > Dat</td><td>Server: 127:0014306 > Database train > Table: userdatabase Browse ✓ Structure ○ SQL ● Search If insert ● Export Import ● Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROM *userdatabase* Profiling [Edit inline][Edit][Explain SQL][Create PHP code][Refresh] O Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key: Ons ✓ UserID Name Email Gender passwi ✓ Edit # Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 599447 Ø Edit # Copy Delete 52 Radhe radh@gmail.com M 599447 Ø Edit # Copy Delete 53 Vikas Rajbhar vikas@gmail.com M 599447 Ø Edit # Copy Delete 53 Vikas vikasrajbhar2526@gmail.com M 7456451 Ø Edit # Copy Delete 83 Vikas vikas2@gmail.com M 7426451 Ø Edit # Copy Delete 83 Vikas vikas6@gmail.co</td><td>Server: 127.0014306 > Database train > intable userdatabase Browse ✓ Structure Import Import Import Privile Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Ect * FROM * userdatabase* From * userdatabase* Sort by key None Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key None On S ✓ UserID Name Email Gender password Gett ¥ Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471abb011 Ø Edit ¥ Copy Delete 52 Radhe radhe@gmail.com M 15e2b0d3c3389 Ø Edit ¥ Copy Delete 53 Vikas Rajbhar vikasrajbhar2526@gmail.com M 7a5dt5ffa0dec22 Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 74b7e3fcb623c Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 74b7e3fcb623c Ø Edit ¥ Copy Delete 83 Vikas vikas6@gmail.com M</td><td>Server: 127 00 1 4306 > Dalabase train > ■Table: userdatabase Browse ✓ Structure ③ SQL ④ Search 3 is insert ● Export ● Import ● Privileges Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) ECT * FROM *userdatabase* Profiling [Edit Inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] O Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key. None Ons ✓ UserID Name Email Gender password ✓ UserID Name Email Gender password ✓ Edit ¾ Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471 abb01112afcc1 ✓ Edit ¾ Copy Delete 52 Rathe rathe@gmail.com M 15e2b0d3c33891ebb0f1 ✓ Edit ¾ Copy Delete 53 Vikas vikas?@gmail.com M 7a5df5fia0dec2228d90b ✓ Edit ¾ Copy Delete 83 Vikas vikas2@gmail.com M 7a5df5fia0dec2228d90b ✓ Edit ¾ Copy Delete 83 Vikas<</td><td>Server: 127 0 0 1.4306 > Dalabase train > Table userdatabase Browse Import Import Privileges Operation Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Structure SQL Search Import Import Privileges Operation Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Filter rows Search 1 Refresh 1 None Visandatabase Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Sort by key. None Visandatabase Ons Filter rows Search 1 Refresh 1 Sond Very Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471abb01112afcc18159f6c Ø Edit ¥ Copy Delete 52 Radhe radhe@gmail.com M 15e2b0d3c33891ebb011ef609ec Ø Edit ¥ Copy Delete 53 Vikas Rajbhar vikas@gmail.com M 75df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vikas vikas1@gmail.com M 74df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 73df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vika</td><td>Server: 127 00 1.4306 > Database: tran > Table: userdatabase Browse Import Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Import Privileges Operations Provide of rows: 25 Filter rows Search this table Sort by key. None Import <th< td=""><td>Server: 127 0.0 1.4306 × Database tram × Lable: userdatabase Browse ✓ Structure SQL ▲ Search Import Import Privileges ✓ Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROH * userdatabase* Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Sort by key: None v One One Sort by key: None v UserID Name Email Cender password Vasa Rajbhar vikas@gmail.com M 152fca9af31aae6953124439df5bc300c1ef111b8b Ø Delete 53 Vikas Vikas vikas1@gmail.com M 7a5df5fla0dec2228d90b8d0a0f1b0767b748b0a Ø Delete 83 Vikas Vikas<!--</td--><td>Server: 127 0 0 1 4306 > Database: train > Istable: userdatabase: Export Import Privileges Operations Tracking Browse If Structure SQL Search Istable: userdatabase: Import Privileges Operations Tracking Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT FROM `userdatabase: Import Privileges Operations Tracking Show all Number of rows: 25 ✓ Filter rows Search this table Sort by key None Import I</td><td>Server: 127.0 0 14303 × Database: Intern × Internet in</td><td>Server: 127 0 0 1.4306 > Delatace: train > Indeleteration Browse If Structure SQL Search If Insert Export Import Privileges Operations Tracking Triggers Showing rows 0 - 5 (6 total, Query took 0 0012 seconds) ECI * FROM 'userdatabase' From 'userdatabase' From 'userdatabase' Filter rows Search this table Sort by key: None Import <tded td="" totatatabace<=""> <tdedatabace< td=""> Impor</tdedatabace<></tded></td><td>Server: 12 20 00 14366 >> Database bain > Fieldle userdstabase: Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Import Privileges Privileges Privileges Privileges Privileges Privileges Tracking Import Import Privileges Pr</td></td></th<></td></td<> | Server: 127.0.0.14306 × ①Database tram × ②Table: userdatabase Browse | Server: 127 0.0 1.4306 > Database tran > Table userdatabase Browse ✓ Structure SQL Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search Itable userdatabase Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Filter rows: Search 1[Refresh] Show all Number of rows: 25 ▼ Filter rows: Search this table Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source O Show all Number of rows: 25 ▼ Filter rows: Search this table Source Source Show all Number of rows: 25 ▼ Filter rows: Search this table Source Sour | Server: 127.0014306 > Database train > Dat | Server: 127:0014306 > Database train > Table: userdatabase Browse ✓ Structure ○ SQL ● Search If insert ● Export Import ● Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROM *userdatabase* Profiling [Edit inline][Edit][Explain SQL][Create PHP code][Refresh] O Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key: Ons ✓ UserID Name Email Gender passwi ✓ Edit # Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 599447 Ø Edit # Copy Delete 52 Radhe radh@gmail.com M 599447 Ø Edit # Copy Delete 53 Vikas Rajbhar vikas@gmail.com M 599447 Ø Edit # Copy Delete 53 Vikas vikasrajbhar2526@gmail.com M 7456451 Ø Edit # Copy Delete 83 Vikas vikas2@gmail.com M 7426451 Ø Edit # Copy Delete 83 Vikas vikas6@gmail.co | Server: 127.0014306 > Database train > intable userdatabase Browse ✓ Structure Import Import Import Privile Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Ect * FROM * userdatabase* From * userdatabase* Sort by key None Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key None On S ✓ UserID Name Email Gender password Gett ¥ Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471abb011 Ø Edit ¥ Copy Delete 52 Radhe radhe@gmail.com M 15e2b0d3c3389 Ø Edit ¥ Copy Delete 53 Vikas Rajbhar vikasrajbhar2526@gmail.com M 7a5dt5ffa0dec22 Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 74b7e3fcb623c Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 74b7e3fcb623c Ø Edit ¥ Copy Delete 83 Vikas vikas6@gmail.com M | Server: 127 00 1 4306 > Dalabase train > ■Table: userdatabase Browse ✓ Structure ③ SQL ④ Search 3 is insert ● Export ● Import ● Privileges Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) ECT * FROM *userdatabase* Profiling [Edit Inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] O Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key. None Ons ✓ UserID Name Email Gender password ✓ UserID Name Email Gender password ✓ Edit ¾ Copy Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471 abb01112afcc1 ✓ Edit ¾ Copy Delete 52 Rathe rathe@gmail.com M 15e2b0d3c33891ebb0f1 ✓ Edit ¾ Copy Delete 53 Vikas vikas?@gmail.com M 7a5df5fia0dec2228d90b ✓ Edit ¾ Copy Delete 83 Vikas vikas2@gmail.com M 7a5df5fia0dec2228d90b ✓ Edit ¾ Copy Delete 83 Vikas< | Server: 127 0 0 1.4306 > Dalabase train > Table userdatabase Browse Import Import Privileges Operation Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Structure SQL Search Import Import Privileges Operation Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Filter rows Search 1 Refresh 1 None Visandatabase Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Sort by key. None Visandatabase Ons Filter rows Search 1 Refresh 1 Sond Very Delete 51 Vikas Rajbhar vikas@gmail.com M 5994471abb01112afcc18159f6c Ø Edit ¥ Copy Delete 52 Radhe radhe@gmail.com M 15e2b0d3c33891ebb011ef609ec Ø Edit ¥ Copy Delete 53 Vikas Rajbhar vikas@gmail.com M 75df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vikas vikas1@gmail.com M 74df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vikas vikas2@gmail.com M 73df5ffa0dec2228d90b8d0a0ff Ø Edit ¥ Copy Delete 83 Vika | Server: 127 00 1.4306 > Database: tran > Table: userdatabase Browse Import Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Privileges Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) Export Import Import Privileges Operations Provide of rows: 25 Filter rows Search this table Sort by key. None Import Import <th< td=""><td>Server: 127 0.0 1.4306 × Database tram × Lable: userdatabase Browse ✓ Structure SQL ▲ Search Import Import Privileges ✓ Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROH * userdatabase* Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Sort by key: None v One One Sort by key: None v UserID Name Email Cender password Vasa Rajbhar vikas@gmail.com M 152fca9af31aae6953124439df5bc300c1ef111b8b Ø Delete 53 Vikas Vikas vikas1@gmail.com M 7a5df5fla0dec2228d90b8d0a0f1b0767b748b0a Ø Delete 83 Vikas Vikas<!--</td--><td>Server: 127 0 0 1 4306 > Database: train > Istable: userdatabase: Export Import Privileges Operations Tracking Browse If Structure SQL Search Istable: userdatabase: Import Privileges Operations Tracking Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT FROM `userdatabase: Import Privileges Operations Tracking Show all Number of rows: 25 ✓ Filter rows Search this table Sort by key None Import I</td><td>Server: 127.0 0 14303 × Database: Intern × Internet in</td><td>Server: 127 0 0 1.4306 > Delatace: train > Indeleteration Browse If Structure SQL Search If Insert Export Import Privileges Operations Tracking Triggers Showing rows 0 - 5 (6 total, Query took 0 0012 seconds) ECI * FROM 'userdatabase' From 'userdatabase' From 'userdatabase' Filter rows Search this table Sort by key: None Import <tded td="" totatatabace<=""> <tdedatabace< td=""> Impor</tdedatabace<></tded></td><td>Server: 12 20 00 14366 >> Database bain > Fieldle userdstabase: Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Import Privileges Privileges Privileges Privileges Privileges Privileges Tracking Import Import Privileges Pr</td></td></th<> | Server: 127 0.0 1.4306 × Database tram × Lable: userdatabase Browse ✓ Structure SQL ▲ Search Import Import Privileges ✓ Operations Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT * FROH * userdatabase* Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Show all Number of rows 25 v Filter rows: Search this table Sort by key: None v One One Sort by key: None v One One Sort by key: None v UserID Name Email Cender password Vasa Rajbhar vikas@gmail.com M 152fca9af31aae6953124439df5bc300c1ef111b8b Ø Delete 53 Vikas Vikas vikas1@gmail.com M 7a5df5fla0dec2228d90b8d0a0f1b0767b748b0a Ø Delete 83 Vikas </td <td>Server: 127 0 0 1 4306 > Database: train > Istable: userdatabase: Export Import Privileges Operations Tracking Browse If Structure SQL Search Istable: userdatabase: Import Privileges Operations Tracking Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT FROM `userdatabase: Import Privileges Operations Tracking Show all Number of rows: 25 ✓ Filter rows Search this table Sort by key None Import I</td> <td>Server: 127.0 0 14303 × Database: Intern × Internet in</td> <td>Server: 127 0 0 1.4306 > Delatace: train > Indeleteration Browse If Structure SQL Search If Insert Export Import Privileges Operations Tracking Triggers Showing rows 0 - 5 (6 total, Query took 0 0012 seconds) ECI * FROM 'userdatabase' From 'userdatabase' From 'userdatabase' Filter rows Search this table Sort by key: None Import <tded td="" totatatabace<=""> <tdedatabace< td=""> Impor</tdedatabace<></tded></td> <td>Server: 12 20 00 14366 >> Database bain > Fieldle userdstabase: Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Import Privileges Privileges Privileges Privileges Privileges Privileges Tracking Import Import Privileges Pr</td> | Server: 127 0 0 1 4306 > Database: train > Istable: userdatabase: Export Import Privileges Operations Tracking Browse If Structure SQL Search Istable: userdatabase: Import Privileges Operations Tracking Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.) ECT FROM `userdatabase: Import Privileges Operations Tracking Show all Number of rows: 25 ✓ Filter rows Search this table Sort by key None Import I | Server: 127.0 0 14303 × Database: Intern × Internet in | Server: 127 0 0 1.4306 > Delatace: train > Indeleteration Browse If Structure SQL Search If Insert Export Import Privileges Operations Tracking Triggers Showing rows 0 - 5 (6 total, Query took 0 0012 seconds) ECI * FROM 'userdatabase' From 'userdatabase' From 'userdatabase' Filter rows Search this table Sort by key: None Import Import <tded td="" totatatabace<=""> <tdedatabace< td=""> Impor</tdedatabace<></tded> | Server: 12 20 00 14366 >> Database bain > Fieldle userdstabase: Showing rows 0 - 5 (6 total, Query took 0 0012 seconds.) Import Privileges Privileges Privileges Privileges Privileges Privileges Tracking Import Import Privileges Pr |

In Fig. 2 we can see table, which is use to show all registered users in the database.

← 🗐 Se	rver: 127	.0.0.1.4306 » 🗐	Database: t	rain » 🌃 Table	e admindata	base			M 10		
Bro	wse	Structure	SQL	Search	insert	Export	📕 Import	Privileges	🤌 Operations	Tracking	28
🛆 Curr	rent sele	ction does not con	tain a uniqu	e column. Grid	edit, checkbo	ox, Edit, Copy ar	nd Delete featur	es are not availabl	e. 🧕		
🖌 Sho	wing row	rs 0 - 0 (1 total, Qu	ery took 0.0	013 seconds.)							
SELECT	* FROM	`admindatabase	r.								
Profi	ling [Ed	t inline] [Edit] [E	xplain SQL	[Create PHP	code][Refr	esh]					
_ s	Show all	Number of row	s: 25 🗸	Filter rov	vs: Search	this table					
+ Options											
UserID N	Name	Email	Gender	password				DoB	Joined_on		
1 /	Admin	admin@gmail.con	n <mark>M</mark>	d55cd5f712ca	133f6065f491	10d0ca6492c838	3d42a69d84d06	51 2000-10-17	2021-08-15 00:00:00		
_ s	Show all	Number of row	s: 25 🗸	Filter rov	vs: Search	this table					
Query	results	operations									



In Fig. 3 we can see table, which is use to show all registered admins in the database.



Server	127.0.0	0.1.43	DG » 🗐	Databas	se: trair	n » 🐻 Table	: transactions		_											\$ ⊼
Browse	Dei	Struc	ture	SQL	4	Search	🚰 Insert	Export	. 🕀 I	mport	Pri	vileges	Operation	is 💿 Tra	acking	36	Trigge	rs		
Showing	rows 0	- 6 (7	total, Que	ery took	0.001	3 seconds.)														
ECT * FI	ROM 't	ransa	ctions`																	
Profiling (Edit in	line] (Edit][E	oplain S		Create PHP	code] [Refresh	1												
Show	all	Numb	er of rows	25	~	Filter rov	vs: Search this	s table	s	Sort by key	Nor	ne	~							
ions →			~	T_No.	email	1	source	dest	Name	Class	Туре	NoOfpass	card_no	expmonth	expyear	CVV	pin	Date	Amt	Route
🥜 Edit	Se Ca	ору 🌘	Delete	54	akash	n@gmail.cor	n Khandeshwa	Belapur CBD	Akash	Second	Single	2	5416	0	0	0	0	2021-08-23 20:53:06	10	Khandesh Belapur C
6 Edit	≣ é Co	opy 🌘	Delete	55	akash	n@gmail.cor	n Vashi	Panvel	Akash	First	Return	5	2147483647	7	25	468	7613	2021-08-23 20:54 48	1050	Vashi- Sanpada - Panvel
🥜 Edit	∦ ∉ Co	ору 🌘	Delete	56	vikas(@gmail.com	Panvel	Sanpada	Vikas Rajbhai	First	Single	4	0	0	0	0	0	2023-05-12 01:52:38	420	Panvel- Sanpada
6 Edit	Se Co	ору 🌘) Delete	57	radhe	@gmail.con	Panvel	Belapur CBD	Radhe	First	Single	2	0	0	0	0	0	2023-05-12 11 02:09	150	Panvel- Belapur Cl
P Edit	i Ci	ору 🌾	Delete	58	radhe	@gmail.con	n Panvel	Vashi	Radhe	First	Single	3	0	0	0	0	0	2023-05-12 11:14:42	315	Panvel- Sanpada - Vashi
🥜 Edit	jie Co	ору 🤇	Delete	59	vikas	@gmail.com	Panvel	Kharghar	Vikas Rajbhai	Second	Single	3	0	0	0	0	0	2023-05-12 13 54 45	15	Panvel- Kharghar
6 Edit	Ge Co	ору 🌘	Delete	60	vikasi	@gmail.com	Panvel	Sanpada	Vikas Rajbha	First	Single	3	0	0	0	0	0	2023-05-14 00:13:09	315	Panvel- Sanpada
	Showing Showing ECT * F F Profiling [] Show ons 2 Edit 2 Edit 2 Edit 2 Edit 2 Edit 2 Edit 2 Edit	Server: 127.0.0 Browse M Showing rows 0 ECT = FROM `t Profiling [Edit in Show all 1 Show all 1	Server 127 0 0 1 43 Browse Showing rows 0 - 6 (7 ECT * FROM `transa Profiling [Edit inline] [) Show all Numbri ons → 2 Edit 물i Copy (2 Edit Bi Copy (2 Edit	Server: 127 0.0 1.4306 > ● Browse	Server: 127 0.0 1 4306 ◆ Databat Browse If Structure If SQL Showing rows 0 - 6 (7 total, Query took ECT * FROM `transactions` Profiling [Edit inline] [Edit] [Explain S Show all Number of rows: 25 Show all Support Delete 54 Image: Edit Image: Copy Delete 55 Image: Edit Image: Copy Delete 58 Image: Edit Image: Copy Delete 58 Image: Edit Image: Copy Delete 59 Image: Edit Image: Copy Delete 50 Image: Edit	Server: 127 0.0 1 4306 > □ Database trait Browse Image: Structure Image: SQL Showing rows 0 - 6 (7 total, Query took 0.001 ECT * FROM `transactions` Profiling [Edit inline] [Edit] [Explain SQL] [m Show all Number of rows: 25 ✓ Ons ▼ T_No. Image: Edit Ima	Server: 127 0.0.1.4306 × □Database: train × □ Table Browse If Structure SQL Search Showing rows 0 - 6 (7 total, Query took 0.0013 seconds.) ECT * FROM `transactions` Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP: Show all Number of rows: 25 ▼ Show all Number of rows: 25 ▼ Filter row Ons ▼ T_No. email If Edit # Copy Delete 54 akash@gmail.com If Edit # Copy Delete 55 akash@gmail.com If Edit # Copy Delete 57 radhe@gmail.com If Edit # Copy Delete 58 radhe@gmail.com If Edit # Copy Delete 58 radhe@gmail.com If Edit # Copy Delete 58 radhe@gmail.com If Edit # Copy Delete 59 vikas@gmail.com If Edit # Copy Delete 59 vikas@gmail.com	Server: 127 0 0 1 4306 > Database train > Index transactions Browse Image: Solution of the second sec	Server: 127 0.0.1.4306 × □Database tean × □ Table transactions Browse Image: SQL Search Image: Image: Square tean × □ Table Image: Square tean × □ Table	Server: 127 0.0.1.4306 × □Database: train × □Table: transactions Browse Image: structure Image	Server: 127 0.0.1.4306 × ①Database train × ◎ Table transactions Browse ✓ Structure ③ SQL ▲ Search Insert ▲ Export ■ Import Showing rows 0 - 6 (7 total, Query took 0.0013 seconds.)	Server: 127 0 0 1 4306 > □Database train > □Table: trainsactions Browse Import Import Pri Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) Import Pri Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) ECT * FROM * transactions* Filter rows Search this table Sort by key Nor Show all Number of rows: 25 ▼ Filter rows Search this table Sort by key Nor O Show all Number of rows: 25 ▼ Filter rows Search this table Sort by key Nor Ons ▼ T_No. email source dest Name Class Type Pediti ½ Copy Delete 54 akash@gmail.com Vashi Panvel Akash Second Single Pediti ½ Copy Delete 56 radh@gmail.com Panvel Sanpada Vikas First Single Pediti ½ Copy Delete 57 radh@gmail.com Panvel Kharghar First Single Pediti ½ Copy Delete 58 radh@gmail.com Panvel Kharghar <td>Server: 127 0.0 1 4806 > Database train > Table transactions Browse ✓ Structure ✓ SQL Search ¥ Insert ✓ Export Import Privileges ✓ Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) ECT * FROM `transactions` Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] O Show all Number of rows: 25 ✓ Filter rows: Search this table Sort by key. None Ons ▼ T_No. email source dest Name Class Type NoOfpass ✓ Edit ¥ Copy Delete 54 akash@gmail.com Khandeshwar Belapur CBD Akash Second Single 2 ✓ Edit ¥ Copy Delete 55 akash@gmail.com Panvel Akash First Single 4 ¥ Copy Delete 57 radhe@gmail.com Panvel Sanpada Vikas Radhe First Single 3 ¥ Copy Delete 58 radhe@gmail.com Panvel Vashi Radhe First Single 3</td> <td>Server: 127 0.0 1 4806 > Database train > Table transactions Browse ✓ Structure ✓ SQL Search ¥ insert ✓ Export Import Privileges ✓ Operation Showing rows 0 - 6 (7 total, Query took 0 0013 seconds) ECT * FROM * transactions* Provileges ✓ Operation Show all Number of rows 25 ▼ Filter rows: Search this table Sort by key. None ✓ Ons ▼ T_No. email source dest Name Class Type NoOfpass card_no Étit ¥ Copy Delete 54 akash@gmail.com Khandeshwar Belapur CBD Akash Second Single 2 5416 É Copy Delete 55 akash@gmail.com Vashi Panvel Akash First Single 4 0 É dit ¥ Copy Delete 56 vikas@gmail.com Panvel Sanpada Vikas Rajbhar First Single 3 0 É dopy Delete 58 radhe@gmail.com Panvel Kharghar First<</td> <td>Server: 127 0 0 1 4300 * Database: train * Table transactions: Browse M Structure SQL Search Import Import Privileges Operations Transactions: Showing rows 0 - 6 (7 total, Query took 0.0013 seconds.) ECT * FR04 * transactions* Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Sort by key None ✓ Show all Number of rows. 25 ▼ Filter rows: Search this table Sort by key None ✓ Ons T_No. email source dest Name Class Type NoOfpass card_no expmonth @ Edit jet Copy Delete 54 akash@gmail.com Khandeshwar Belapur CBD Akash Second Single 2 5416 0 @ Edit jet Copy Delete 55 akash@gmail.com Vashi Panvel Akash First Single 0 0 0 @ Edit jet Copy Delete 56 vikas@gmail.com Panvel Sangada Vikas Radhe First Single 0</td> <td>Server: 127 0 0 1 4306 ≥ Dalabase Iran ≥ Table Iransactions Browse Prover 127 0 0 1 4306 ≥ Dalabase Iran ≥ Table Iransactions Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) ECT * FROM `transactions` Profiling [Edit Iransactions` Profiling [Edit Iransactions` Pro</td> <td>Server: 127 0 0 1 4300 * Dablevase: train * Table transactions: Browse Import Privileges Privileges Operations Tracking M Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) Ecr * From * Import Privileges Privileges Poperations Tracking M Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) Ecr * From * From * From * Privileges Privileges Privileges Poperations Tracking M Show all Number of rows: 25 • Filter rows Search this table Sort by key None • Ons T_No. email source dest Name Class Type NoOfpass card_no expmonth experier cvv Pedit # Copy Delete 54 akash@gmail.com Valit Belapur CBD Akash Second Single 2 5416 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Server: 127 00 1 4306 > Database train > Index sectors Brows Import Privileges Import Privileges Import Operations Import Import Privileges Import Import Import Privileges Import Import Privileges Import Import Privileges Import Import Import Privileges Import Impor</td> <td>Server 127 00 1 4300 s Database train s if able transactions Browe If structure Soll Search if instructure <t< td=""><td>Server 127 0 0 1 4300 s Databases tans s Trigges Browe I Structure Sol Search 2²/₂ i lisert Export Import Privileges Operations Tracking X Triggers Showing rows 0-6 (7 total, Query took 0.0013 seconds.) Ect FROM `transactions` Vision Vision</td></t<></td>	Server: 127 0.0 1 4806 > Database train > Table transactions Browse ✓ Structure ✓ SQL Search ¥ Insert ✓ Export Import Privileges ✓ Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) ECT * FROM `transactions` Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] O Show all Number of rows: 25 ✓ Filter rows: Search this table Sort by key. None Ons ▼ T_No. email source dest Name Class Type NoOfpass ✓ Edit ¥ Copy Delete 54 akash@gmail.com Khandeshwar Belapur CBD Akash Second Single 2 ✓ Edit ¥ Copy Delete 55 akash@gmail.com Panvel Akash First Single 4 ¥ Copy Delete 57 radhe@gmail.com Panvel Sanpada Vikas Radhe First Single 3 ¥ Copy Delete 58 radhe@gmail.com Panvel Vashi Radhe First Single 3	Server: 127 0.0 1 4806 > Database train > Table transactions Browse ✓ Structure ✓ SQL Search ¥ insert ✓ Export Import Privileges ✓ Operation Showing rows 0 - 6 (7 total, Query took 0 0013 seconds) ECT * FROM * transactions* Provileges ✓ Operation Show all Number of rows 25 ▼ Filter rows: Search this table Sort by key. None ✓ Ons ▼ T_No. email source dest Name Class Type NoOfpass card_no Étit ¥ Copy Delete 54 akash@gmail.com Khandeshwar Belapur CBD Akash Second Single 2 5416 É Copy Delete 55 akash@gmail.com Vashi Panvel Akash First Single 4 0 É dit ¥ Copy Delete 56 vikas@gmail.com Panvel Sanpada Vikas Rajbhar First Single 3 0 É dopy Delete 58 radhe@gmail.com Panvel Kharghar First<	Server: 127 0 0 1 4300 * Database: train * Table transactions: Browse M Structure SQL Search Import Import Privileges Operations Transactions: Showing rows 0 - 6 (7 total, Query took 0.0013 seconds.) ECT * FR04 * transactions* Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Sort by key None ✓ Show all Number of rows. 25 ▼ Filter rows: Search this table Sort by key None ✓ Ons T_No. email source dest Name Class Type NoOfpass card_no expmonth @ Edit jet Copy Delete 54 akash@gmail.com Khandeshwar Belapur CBD Akash Second Single 2 5416 0 @ Edit jet Copy Delete 55 akash@gmail.com Vashi Panvel Akash First Single 0 0 0 @ Edit jet Copy Delete 56 vikas@gmail.com Panvel Sangada Vikas Radhe First Single 0	Server: 127 0 0 1 4306 ≥ Dalabase Iran ≥ Table Iransactions Browse Prover 127 0 0 1 4306 ≥ Dalabase Iran ≥ Table Iransactions Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) ECT * FROM `transactions` Profiling [Edit Iransactions` Profiling [Edit Iransactions` Pro	Server: 127 0 0 1 4300 * Dablevase: train * Table transactions: Browse Import Privileges Privileges Operations Tracking M Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) Ecr * From * Import Privileges Privileges Poperations Tracking M Showing rows 0 - 6 (7 total, Query took 0 0013 seconds.) Ecr * From * From * From * Privileges Privileges Privileges Poperations Tracking M Show all Number of rows: 25 • Filter rows Search this table Sort by key None • Ons T_No. email source dest Name Class Type NoOfpass card_no expmonth experier cvv Pedit # Copy Delete 54 akash@gmail.com Valit Belapur CBD Akash Second Single 2 5416 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Server: 127 00 1 4306 > Database train > Index sectors Brows Import Privileges Import Privileges Import Operations Import Import Privileges Import Import Import Privileges Import Import Privileges Import Import Privileges Import Import Import Privileges Import Impor	Server 127 00 1 4300 s Database train s if able transactions Browe If structure Soll Search if instructure if instructure <t< td=""><td>Server 127 0 0 1 4300 s Databases tans s Trigges Browe I Structure Sol Search 2²/₂ i lisert Export Import Privileges Operations Tracking X Triggers Showing rows 0-6 (7 total, Query took 0.0013 seconds.) Ect FROM `transactions` Vision Vision</td></t<>	Server 127 0 0 1 4300 s Databases tans s Trigges Browe I Structure Sol Search 2 ² / ₂ i lisert Export Import Privileges Operations Tracking X Triggers Showing rows 0-6 (7 total, Query took 0.0013 seconds.) Ect FROM `transactions` Vision Vision

Fig. 4 Ticket Booking Table (Only Trains)

In Fig. 4 we can see table, which is use to show table storesall ticket booking details of only trains in the database.

Ģ	Server.	127 0 0 1 7	1306 » 💷 D	atabas	e train	» 🐻 Table	bustransa	clions												¢ :
	Browse	🕅 Str	ucture	SQL		Search	insert	📑 Ex	port 📕	Import as	Privile	ges	🤌 Operat	tions 💿	Tracking	34 Trigg	pers			
~	Showing	rows 0 - 4	(5 total, Quei	y took	0.0012	seconds.)														
EL	<u>ECT</u> * F	ROM [•] bust	ransaction	s																
	Profiling	Edit inline] [Edit] [Exp	olain S		reate PHP c	ode][Ref	resh]												
0) Show	all Num	nber of rows:	25	~	Filter rows	s: Search	this table		Sort by key	None		~							
Opti	ons		-	T No.	and all				deat	Mama		in No.	NaOfaaaa		a second a set			ala	Data	
1			*	I_NO.	email			Source	Chivaii	Name	в	us_No	NoOtpass	card_no	expmonth	expyear	CAA	pin	Date	A
ו	🥜 Edit	Copy	😂 Delete	2	akshay	/p@gmail.co	m	Railway Station	Maharaj Hospital	j akshaypa I	idave 50	2	2	0	0	0	0	0	2020-03-06 14:16:16	5 5
5	6 Edit	🛃 d Copy	Delete	9	akash@	@gmail.com		Digha Gaon	Airoli Railway Station	Akash	50	2	1	154865168	4	23	743	1834	2021-08-23 20.53:46	3 5
j	🥜 Edit	🛃 Copy	Oelete	10	akash(@gmail.com		Bharat Bijali	Rabale Naka	Akash	50	2	1	2147483647	7	25	427	1276	2021-08-23 20:55 51	15
5	🥜 Edit	🛃 Copy	Delete	11	radhe(@gmail.com		Thane Railway Station	Mukund Compar	l Radhe	50	2	1	0	0	0	0	0	2023-05-12 11 03 40) 5
ġ	🥜 Edit	🛃 Copy	Delete	12	vikasra	ajbhar2526@	gmail.com	Thane Railway Station	Vitawa / Paryach Maidan	ne Vikas Raj	jbhar 50	2	3	0	0	0	0	0	2023-05-12 15:16:02	2 15
1		Check all	With selec	ted:	🥔 Edi	t 📑 Co	ру 🤤	Delete	Expor	t										
							Fig	g. 5 Tie	cket B	ooking 7	Fable	(O1	ılv Bu	ses)						

In Fig. 5 we can see table, which is use to show table storesall ticket booking details of only buses in the database.



	127-0-0-1-45	teo a constanta	se nam » D		1								
Bro	wse 🛃 Stru	cture 🔄 SQ	L 🧠 Sea	rch 🧏 inser	t 🔜 Export	Impor	t es Priv	vileges	Operations	Track	ing 26	Triggers	•
🔔 Cur	rent selection doe	s not contain a u	nique column	Grid edit, checkt	oox, Edit, Copy and I	Delete fea	tures are not	available.	0				
Shows	wing rows 0 - 24	(34 total, Query to	ook 0.0013 se	conds.)									
SELECT	* FROM 'train	tt'											
-													
Prof	iling [Edit inline]	[Edit][Explain S	SQL][Create	PHP code] [Ret	fresh]								
								_					
1	✓ > >>	Show all	Number of re	ows: 25 🗸	Filter rows: Se	arch this I	able						
Ontinna													
anvel	Khandeshwar	Manasarovar	Kharghar	Belapur CBD	Seawood Darave	Nerul	Juinagar	Turbhe	Koparkhairne	Ghansoli	Rabale	Airoli	Thane
4:33	04:38	04:41	04:44	04:48	04:52	04:56	05:00	05:04	05:08	05:11	05:14	05:17	05:25
4:53	04:58	05:01	05:04	05:08	05:12	05:16	05:20	05:24	05:28	05:31	05:34	05:37	05:45
5:21	05:26	05:29	05:32	05:36	05:40	05:44	05:48	05:52	05:56	05:59	06:02	06:05	06:13
5:44	05:49	05:52	05:55	05:59	06:03	06:07	06:11	06:15	06:19	06:22	06:25	06:28	06:36
6:17	06:22	06:25	06:28	06:32	06:36	06:40	06:44	06:48	06:52	06:55	06:58	07:01	07:09
6:37	06:42	06:45	06:48	06:52	06:56	07:00	07:04	07:08	07:12	07:15	07:18	07:21	07:29
7:01	07:06	07:09	07:12	07:16	07:20	07:24	07:28	07:32	07:36	07:39	07:42	07:45	07:53
7:19	07:24	07:27	07:30	07:34	07:38	07:42	07:46	07:50	07:55	07:58	08.01	08:04	08:12
7:43	07:48	07:51	07:54	07:58	08:02	08:06	08:11	08:15	08:19	08:22	08:22	08:28	08:36
8:04	08:09	08:12	08:15	08:19	08:23	08:27	08:31	08:35	08:39	08:42	08:45	08:48	08:56
9:01	09:06	09:09	09:12	09:16	09:20	09:24	09:28	09:32	09:36	09:39	09:42	09:45	09:53
9:48	09:53	09:56	09:59	10:03	10:07	10:11	10:15	10:19	10:23	10:26	10:29	10:32	10:40
0:41	10:46	10:49	10:52	10:56	11:00	11:04	11:08	11:12	11:16	11:19	11:32	11:25	11:33
1:02	11:07	11.10	11:13	11:17	11:21	11:25	11:30	11:34	11:38	11:41	11:44	11:47	11:55
2:19	12:24	12:27	12:30	12:34	12:38	12:42	12:46	12:50	12:55	12:58	13:01	13:04	13:12
3:04	13:09	13:12	13:15	13:19	13:23	13:27	13:31	13:35	13:39	13:42	13:45	13:48	13:56
13:57	14:02	14:05	14:08	14:12	14:16	14:20	14:24	14:28	14:33	14:36	14:39	14:42	14:50
Conse	ole 1:29	14:32	14:35	14:39	14:43	14:47	14:51	14:55	14:59	15:02	15:05	15:08	15:16

Fig. 6 Train Timing Table

In Fig. 6 we can see table, which is use to show table alltrain timing details in the database.

B. Application Running

This will show running of application and how the ticket isbooked in this application/website.







In the above Fig. 7, we can see it is the landing page of our application/website where you can register if you are new useror sign in if you have already registered yourself.



Fig. 8 Train Ticket Booking

Now for booking a local train ticket we need to go to "Train Ticket" as you can see in Fig. 8 and enter source and destination along with train class, journey type and total number of passengers. Train tickets are only of Mumbai citiesonly. Also note that more than 5 passengers are not allowed tobook ticket together.



Fig. 9 Train Ticket confirming details

After booking, the portal will verify the details and show you the price and ask you to checkout with your process as shown in Fig. 9. Click on checkout to move on to payments orgo back if any correction.





Quick-BT			
	6	nter Payment Details	
	Card No.:	1111-2222-3333-4444	
	Name on Card:	Prajwal N. Sutar	
EX	piry Date	MM VY	
	CVV No:		
	PIN NO:	THE	
		Complete Payment	S.
, Of a			

Fig. 10 Train Ticket payment

After you click on checkout, then it will redirect you to payment via card and you have to fill all your card details and complete payment as shown in Fig. 10. After that you will get OTP on your card registered number and put that, then payment will be successful.

i Home	🍈 Train Ticket	💮 Bus Ticket	User Bookings	🌧 Train Schedule	🔵 User : Vikas Rajbhar 🔸
			Booking ID Name Email Source Stati Destination Route Amount	sing Summary 61 Vikas Rajbhar vikas@gmail.com on Belapur CBD Parvel Belapur CBD-Panvel 225	

Fig. 11 Train Ticket Booking Summary

Once the payment is done, the website/application will take you can see booking summary as shown in Fig. 11 and there you can print your ticket or save it in your device thought clicking on "Print Ticket".



Ticket Details



Fig. 12 Train Ticket

In above Fig. 12 we can see it is the ticket which we get after booking train ticket. Similarly, you can also book local bus tickets in Mumbai through the same application in above same way. Now if somehow you lost your digital ticket so you can go to "User Booking" as shown in Fig.13 and click there "View Train Booking" if its train ticket or if its bus then click on "View Bus Booking".



Fig. 13 User Booking

After clicking on "View Train Booking you can see there your all previous tickets details along with option to download your ticket again as shown in Fig. 14. Similarly, you can viewfor bus as well.





Fig. 14 User Details of all Previous Ticket Booking

In case you have any query or problem you can contact us through mail and if we don't response within 24 hours you can directly call us to our helpline or WhatsApp us. This you will find below all our booking sections as shown in Fig. 14 also. You can also use our chatbox AI for your help in case of emergency which you will find on landing page which is shown in Fig. 7. You can see how it works as shown in Fig. 15.



Fig. 15 Chatbox



IV. CONCLUSIONS

It can be observed that computer applications are very important in every field of human endeavor. Here all the information about customer that made reservation can be gotten just by clicking a button with this new system, some of the difficulties encountered with the manual system are overcome. It will also reduce the workload of the staff, reduce the time used for making reservation at the bus terminal and also increase efficiency. The application also has the ability to update records in various files automatically thereby relieving the company's staff the stress of working from file security of data. It has been developed in XHTML, PHP, CSS, JAVASCRIPT and database has been built in MySQL. By using this application, the company can provide reservation services and information to their customers without the limitation of office hours or manpower. Not only does it let customers book trips around the clock from any location with an internet connection but it is also designed for use by the company to internally manage their business processes; minimizing human errors and overcoming difficulties and problems that arose in the previous system.

V. REFERENCES

- [1]. Rachel Harrison, Derek Flood and David Duce, 2013, Usability of mobile applications, Retrieved from <u>http://</u> www.journalofinteractionscience.com/content/1/1/ 1
- [2]. Daniel Walters, 2011, The Advantages of Mobile Apps, Infomedia.com. Retrieved from http://infomedia.com/blog/the- advantages-ofmobile-apps/
- [3]. Simon Lenoir, 2013, Why Should Tour & Activity Operators Offer Online Bookings?, Retrieved from https://www.rezdy.com/blog/why-should-touractivity-operators- offer-online-bookings/
- [4]. Mezghani, M. (2008). Study on Electronic Ticketing in Public Transport. Available at: http://www.emta.com/IMG/pdf/EMTA-
- [5]. Ticketing.pdf Accessed: 16th November 2014
- [6]. Maike, J.P. (2014). Train, bus and museum -Interrelations of diverse actors within integrated E
 ticketing schemes. Available at: http://www.mobiltum.vt.bgu.tum.de/fileadmin/w00bqi/www/Session Poster/Puhe.pdf Accessed 16th October 2014
- [7]. Melisa, K. (2007).Online Bus Ticketing System: University Of Malaykuala Lumpur Accessed 17th November 2014
- [8]. Mezghani, M. (2008). Study on Electronic Ticketing in Public Transport. Available at: http://www.emta.com/IMG/pdf/EMTA-

- [9]. Ticketing.pdf Accessed: 16th November 2014
- [10]. Paskaleva, K. (2014). Integrated Public e-Services: Joining-up Strategies and Technologies for City Available at: http://www.europarl.europa.eu/RegData/etudes/etu des/join/2014/51355 1/IPOL JOIN_ET%282014%29513551_EN.pdf Accessed 18th October 2014