Department of
Computer Science & Engineering
Lab Report

Course code   : CSE 404

Course title   : Software Engineering and ISD Laboratory

Experiment no   : 01

Experiment name   : System specifications of Bus ticket booking management

system.

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Group members   :

Sl	Class Roll	Name
01	342	Tama Shil
02	370	Prokash Maitra
03	374	Mubasher adnan jihad
04	375	Pritam Saha

Name: Tama shil

ID: 342

Part: Admin login, Registration, system I/o.

The p system is about bus ticket booking management system.

The I/o of the system is -

Input for user -

The user and admin are the main actor of the system.

- For user the input is his information for login.
- The user will also give input about bus details like arrival time, date, route etc.

Output for user -

- After login the user will be given a home page where he can see
  - Bus lists
  - Bus schedule
  - Reservations list
  - logout

- After bus reservation, the user will be provided with -
  - a copy of reservation
  - An email/ message.

Input for admin -

As an admin he or she can input -
- Bus schedules
- Edit schedules

Output for admin -

The inputs of admin will be shown as output to the user like bus details. and so on

So, if we classify the system into admin and user module, the list for admin will be -

Admin
- Registration
- Login
- Bus scheduling
- Bus scheduling editing
- Bus scheduling deleting.

User

- Registration
- login
- Reservation
- Cancellation
- logout

The specifications provided below serve as a general outline for bus ticket management system, depending on specific project requirements, additional features and customization may be required.

Admin Registration and login

- Admin can register an account as the moderator
- The admin will have to reg login as admin to control the system.
- For registration admin will provide
  - Name
  - Email
  - number
  - password

- Fore login the admin will select the option bgin as admin and will inserct email and password

Name : Pritam Saha
Roll : 375
Exam Roll : 191359
Part : Add Bus, Delete Bus.

Bus Module : The admin will control the bus details for booking system. He may do the following in the system.

⇒ Bus scheduling module

It includes —

* Bus scheduling module
* Add New schedule
* Edit schedule Details
* View schedule Details,
* Delete schedule Details.

The bus scheduling module is use to let the administrator to add the new schedule and the destination for the driver to drive the

bus according to the schedule that assign by the administrator. Administrator have the authority to delete and edit the schedule details for the driver if need make necessary changes for the schedule. Driver also can view the schedule according to the time table so that they can follow the schedule to departure from one destination to another destination on time.

Add New Schedule :

1. The system has a function that allow administrator to add the new schedule and the destination to the driver.

2. The system will check on the same time same day and same driver that already have the schedule or not.

if yes then the system will not allow the administreafore to add the new schedole fore the particular driverr on the same timer day and place. If not then the administreatore can assign the new schelule for the particular driverre.

Edit scheduling Details:

The system has a function theet allows the administrator to edit the Schedule that already assigned. If have any happen occure so that the administrator need to reeassign the schedule fore the driver

View schedule Details:

The system has a function theet allow the driverre to view the shedole theet assign by the administrator according

to theire name so the driver can know when and what time they should drive the bus from one destineetion to another destination.

Delete Schedule Details:

The system has a function that allows the administreator to delete a schedule fore the particeulare driver if they feel that the schedule not suitable fore this particular driver on that time

Name: Mubasherr Adnon Jihad
Roll: 374

[Part: Userr Login & Registration]

Userr:

Loging

1. Userr Provides username and password for login.

2. ~~fore~~ It provides two text fields - (i) login name (ii) password

3. If either of the above two fields is left blank, an errror must be reported. An errror must be ~~s~~ reported if wrong login name or password is provided.

4. If the userr has forgotten their password, they click 'forgot Password' which takes them to a password recovery screen.

5. After submitting the credentials, If they are validated and if correct, the user is logged in

Registration:

1. The registration page should be displayed when a user clicks on the register command button in the page.

2. It consists of three text fields
   (i) login name
   (ii) Enter password
   (iii) Re-type password

3. If any of the text field is left blank, it is an error that must be reported to the user.

4. If all fields are filled in but there is already a record for the user name, then an error must be reported.

5. If two passwords are different that must also be reported as an error.

6. After completing all the above mentioned criteria, the user completes a successful registration.

Name : Prokash Maitra

Roll : 370

Exam Roll : 191372

Part : Ticket Reservation, Cancellation

Ticket Reservation : Ticket Reservation is one of the most vital parts of Bus Ticket management system. We can divide this part into some.

steps:

   1. User Interface :
      - User friendly interface for customers to search, select.
      - Clear display of available routes, dates and times.
      - Integration with payment gateways to facilitate secure online transaction.

2. Booking Management:

- Ability to manage and track bus schedules, routes and seat availabily.
- Real-time updating of seat availabity.
- Booking confirmation.

3. Payment Integration:

- Integration with secure payment gateways to process online transaction.
- Support various payment method such as debit/credit card, net banking.

4. Admin Panel:

- Adminstrative interface for managing bus schedules, routes, fares and seat availabity.
- Reporting capability to generate sales report

8. Security and Performance:

- security login and authentication mechanism.
- Encryption of sensitive data.
- Regular backups and data recovery.

Ticket cancellation: After reservation, if you decide that you would not travel, you can. cancel the ticket. To cancel the ticket, the admin panel needs to change the database and reallocate the tickets.

1. Cancellation Process and Policies:

- Implementation of cancellation policies defined by the bus operator or ticketing system.
- Handling of refund calculation based on cancellation timeframes and rules.

- Ability to enforce non-refundable tickets or apply partial refunds based on specific condition.

2. **Database Management:**

- Database to store and manage ticket booking information, including cancellation status.

- Integration with payment gateways to handle refund transactions.

- Logging and tracking of canceled tickets for record-keeping purposes.