

Otobis Now - Online Bus Booking

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Project Objective

We aim to build a dynamic Online bus booking website which caters to the needs of travel agencies and passengers.

Software Requirements

- 1 Linux / Windows operating system
- 2 Mysql server
- 3 Eclipse Neon
- 4 Apache tomcat server

Tools Required

- 1 CSS 3
- 2 HTML 5
- 3 Java Script
- 4 Bootstrap
- 5 JSP

Features

- 1 Check Bus Availability
- 2 Booking a Ticket

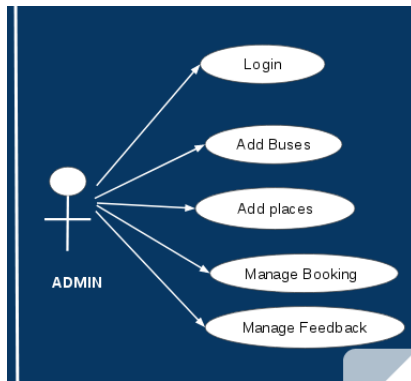
Modules

- 1 Customer Module
- 2 Admin Module

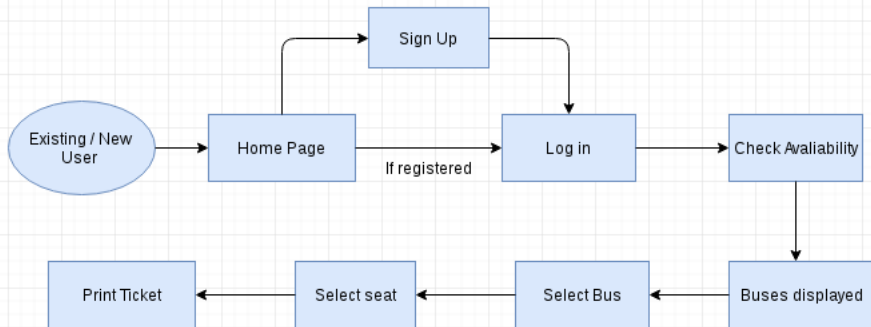
Learnings

- ① Use-Case Diagrams
- ② Implementing Filters
- ③ Database Design

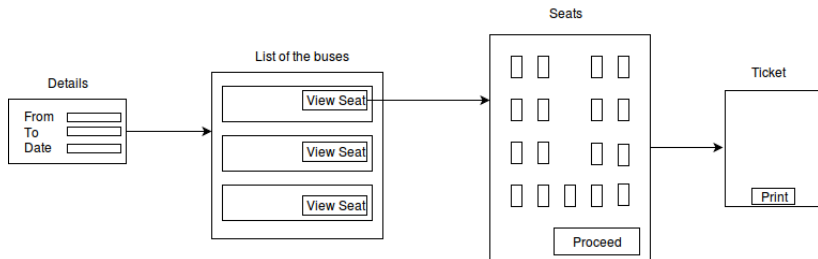
Admin Module



Flow Diagram for Customer Module



Flow Diagram of Booking a Seat



Database

Bus						Table Name
Registration_No	BusType_ID					Primary Key
						Foreign Key
						Unique

Schedule					
Schedule_ID	Route_ID	Registration_No	DepartureDateTime	ArrivalDateTime	price

Ticket				
Ticket_No	EmailAddress	Schedule_ID	PassengerID	Date Of Journey

Passenger			
PassengerID	Seat_No	Full Name	Age

Database

BusType			
BusTypeID	isAC	Seating_Type	Seating_Capacity

Route			
Route_ID	Source	Destination	Distance

Customer				
EmailAddress	FirstName	LastName	PhoneNumber	Password

ContactUs	
EmailAddress	Message

Tasks Completed

§ Customer Module

- 1 Front-end Validations
- 2 Controllers related to Login and Check Availability
- 3 Displaying the Buses Available
- 4 Seat Arrangement and Selection - UI
- 5 Payment Module

Tasks Completed

§ Admin Module

- 1 Bus Management and Route Management
- 2 Log In and Sign Up Page

Tasks to be done

§ Customer Module

- 1 Storing seat number of a booked seat
- 2 Print Ticket

Tasks to be done

§ Admin Module

- 1 Schedule Management
- 2 Debugging

Assumptions and Future Enhancements

- ① Ticket Cancellation
- ② Guest User Interface
- ③ Expanding to multiple Travel and Tourism Agency

Thank You