

DESIGN AND DEVELOPMENT OF BUS INFORMATION

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ABSTRACT

This project introduces the **Design And Development Of Bus Information**. This module handles information of each Bus such as the Bus names, Bus number, routedetails and timing of departure of Buses, arrival time, service type etc. It maintains all customer details, Bus details, reservation details. Also user can give feedback on our website. Among all general the Public transportation Service, Bus service is the major transportation used by the commuters, mostly from the city sides as it is cost effective and convenient as driving own vehicle may lead to face traffic congestion and also lack of parking place. We observed the working of the Bus Information's and after going through it, we get to know that there are many operations, which they have to do manually. It takes a lot of time and causing many errors while data entry. Due to this, sometimes a lot of problems occur and they were facing many disputes with customers. To solve the above problem and further maintaining records of passenger details, seat availability, price per seat and other things. There's a lot of problem associated with bus service specially there's no fixed departure timing of buses and also the arrival time of buses.

I. INTRODUCTION

The Design And Development Of Bus Information system is a website which will be inform about Buses. This module handles information of each Bus such as the Bus names, Bus number, ticket booking, National highway route details and timing of departure of Buses.

Among all the Public transportation Service, Bus service is the major transportation used by the commuters, mostly from the city sides as it is cost effective and convenient as driving own vehicle may lead to face traffic congestion and also lack of parking place. But there's a lot of problem associated with bus service specially there's no fixed departure timing and arriving time. The commuters can't know the exact departure time of buses and also the arrival time of buses.

The Bus Information website gives the information about all the buses going and booking details. User can book tickets and cancel too. The Bus Information website save the commuters time by showing the timing of Bus, Bus schedule and other Details and information of buses. The Bus schedule and time table is Windows based application in this website commuters can search Bus information, Bus schedule and user can book tickets and also cancel it. And most important fact is that we provide the enquiry system in the project so the user easily get information of any buses that they need.

The Bus schedule and time table website is a window based application that work within centralized network. Admin has the official powers to control the flow of the data from one part of the system to the other. He can manipulate the data of Buses like add, Update and Delete.

II. EXPLANATION

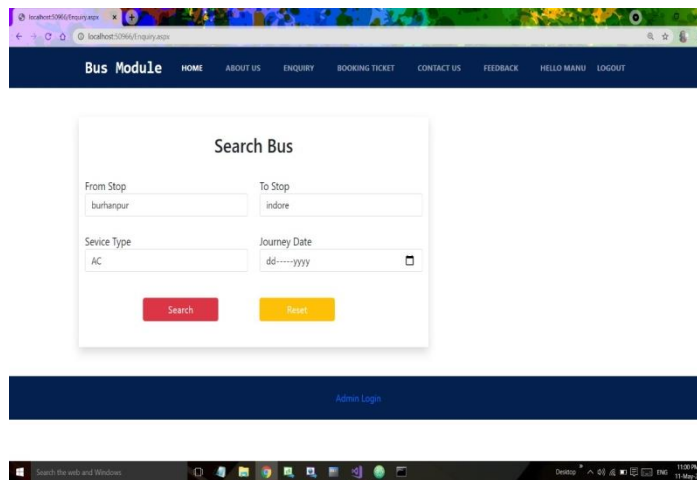
Design and Development of Bus Information, this project has five modules.

- Bus Enquiry Module
- User Module
- Admin Module
- Ticket Booking Module
- Feedback Module

Bus Enquiry Module –

In this module of Design and Development of Bus Information, the users can enquire about the different types buses. That's means if users only want to take information about the buses without following any

login or registration process then they can get those useful information in the bus enquiry module. Here the users can know about the timing, journey date, service type, from stop and to stop of the several buses.



User Module –

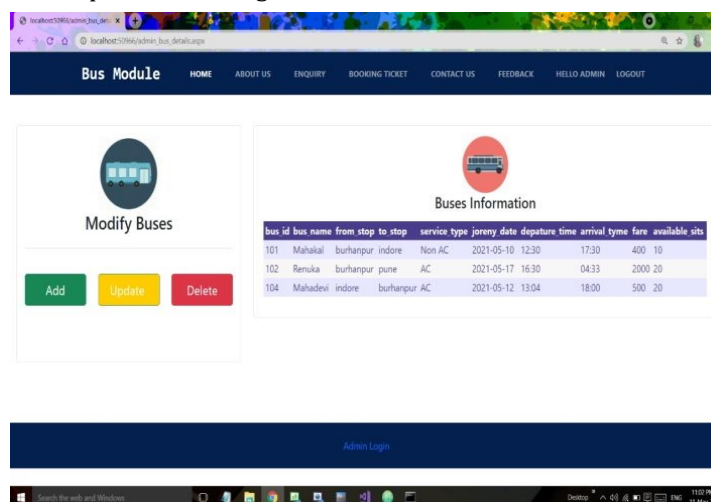
User module is the phase in which the information of end users will be store. If the users are new to our website and they want to book tickets then they have to login or registered them selves in our website.

In the registration process they have to submit their full name, date of birth, contact number, email id, state, city, pincode and the other login credentials essential details . And if any of these users are already registreted in our website then they can login and book tickets according to their requirement.

Admin Module-

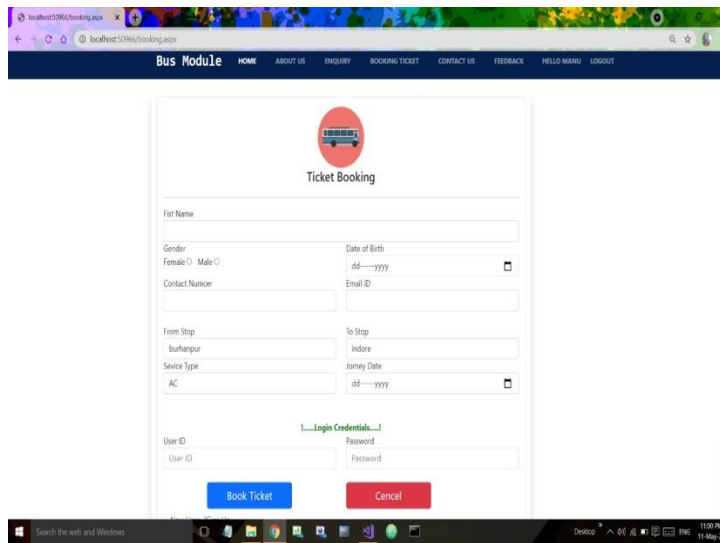
In the Design and Development of Bus information project the admin can manage all the data or information related to buses.

The admin have to firstly login into the website and then admin can add, update and delete the data or can manage the buses information. The admin also and see the feedback given by different user and according to those feedback ,improve or manage buses information.



Ticket Booking Module –

In the ticket booking module user can book tickets, but for booking tickets the users must to registreted into the website then they can book tickets. For booking tickets the users have to fill out the essential details about them selves like, their Name, Gender, Contact Number, Email, State, City, Pin Code, From Stop, To Stop, Journey Date and Service Type and other login credentials. The users can see the details they submit and also cancel ticket according their requirement.



Feedback Module –

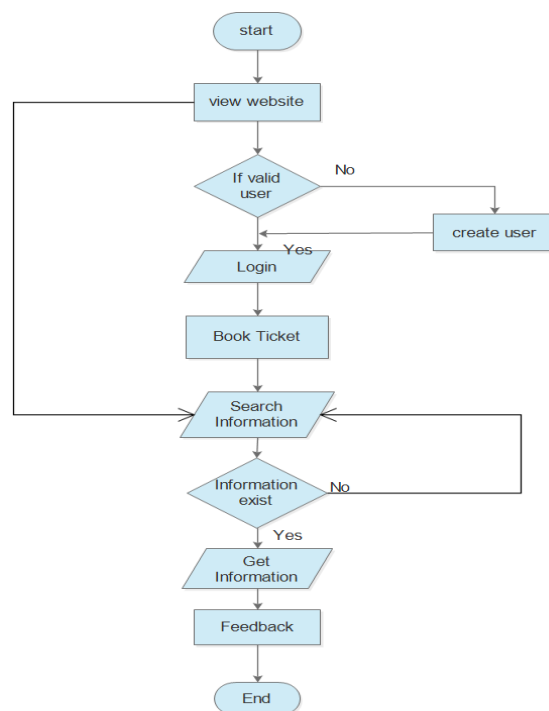
This module is made for user and admin both. The user can use our website and share their experience about the project in the feedback section which helps the admin to improve their work or make the project more comfortable for users.

It can also useful for other users of the project who can know that how much good or bad the website is.

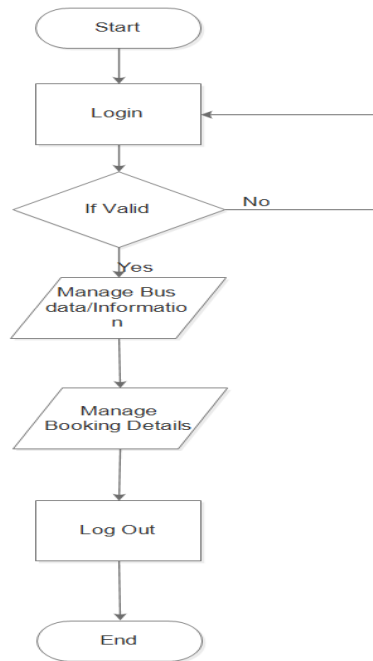
III. INCREMENTAL MODEL

The model we have used in our project is the incremental model as in this model the product is implemented incrementally and with each release of new version extra features are updated. It also helps in releasing the multiple versions, also beneficial for creating modules and the major requirement of system was known to us while creating the project, one can easily manage risks of a single release, also it helps us to see and maintain the project at multiple stages.

The flow of our project can be seen in the following diagram which gives a quick introduction of how our project will flow through multiple stages and what all functionality it will include and how the processes are related to each other through multiple stages.



Flow Chart (User)



Flow Chart (Admin)

IV. ADVANTAGES AND DISADVANTAGES

There is login and password service for admin and user to use this system. New system provides help to the customer as they can enquire about the bus availability ,ticket ,prices etc And they don't need to walk to the office. User can also cancel his/her reservation. User can view his/her booking history. The system will have security access levels. The user cannot use this website without internet. Time management is an issue.

V. CONCLUSION

It is a website where user can get details of buses like bus schedule, bus timing etc. User can book tickets and Cancel it too. Admin has the ability to Add, Update and Delete and he can cancel tickets. Admin will Manage booking details. In this website user can give his feedback and view other users feedback too.

FUTURE SCOPE

We will try to put more focus on the effectiveness of the project and will try to include many of the features which are not present in the current website like the user will able to see the current position of bus. We can include more facilities according to positive feedback of user.

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