

Online Bus Pass Management System

Mrs. M. Jasmine Sagaya Jonita¹, Ms. V. Dharshini², Ms. B. Gogillavani³

Assistant Professor, Department of Information Technology¹

Final Year Student, Department of Information Technology^{2,3}

Nirmala College for Women, Red fields, Coimbatore, Tamil Nadu, India

Abstract: *The project entitled “ONLINE BUSPASS MANAGEMENT SYSTEM” this system is solution for the passengers who are facing problems with the current manual work of bus pass registration and renewal. Online bus pass Management system is helpful as it reduces the paper work, time consumption and makes the process of getting bus pass in simple and faster way. This initially user needs to register with the application by submitting their details through online.*

Keywords: Python Back-end, Web Development.

I. INTRODUCTION

Front End

PHP stands for Hypertext Preprocessor. PHP scripts run inside Apache server or Microsoft IIS. PHP and Apache server are free. PHP code is very easy. PHP is the most used server-side scripting language. PHP files contain PHP scripts and HTML.

MYSQL

Database: A database is simply a collection of used data just like phone book. MySQL database include such objects as tables, queries, forms, and more.

II. SYSTEM ANALYSIS

System analysis refers to the process of examining a situation with the intent of improving it through better procedure and methods. The system analysis phase studies the problem, identifies alternate solution and evaluates those situations and finally recommends the best solution. It improves the system and ensure that all the components of the system work efficiently to accomplish user purpose. One aspect of analysis is identifying the boundaries of system and determining whether or not candidate system should consider other related system.

III. EXISTING SYSTEM

In the Existing System Time Delay process to be occurred because information related to all transactions is stored in different database. Since all the transactions are stored in different Places it takes lot of time to prepare different reports. The Existing System of Online Bus pass management system renew bus passes with standing in a line or queue for hours near counters.

Disadvantages

- Lot of Paper work required.
- More Man Power.
- Time consuming process.

Proposed System

Online Bus Pass management system will help save your time and renewal bus passes without standing in a line for hour near counters. It can find all the bus pass related information online without going to the bus station. The payment can be done online via credit. Administrator can maintain Add Bus Pass Route, View Applied User, Approval Pass Bus, Bus Pass Holders, Bus Pass Renewal details.

Advantages

- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.

IV. PROJECT DESCRIPTION

4.1 Module Description

A. Modules

Admin

- Add Bus Pass Route
- View Applied User
- Buspass Holder
- Renewal

Passenger

- View Route
- Apply Buspass
- Paid Status
- Renewal

Add Bus Pass Route

Admin module control the other module. Admin has the main control to add the routes. This module has control to approve or reject the passenger buspass. Once admin approve the buspass then person can make payment through online and get the buspass through online.

View Applied User

In this module Administrator Add the Bus Pass Route information using this Module. It contains Information about the Route id, source Route, Destination Route, Amount. It makes easy to integrate Administrator Password Authentication into your webapp.

Buspass Holder

In this module, Administrator view the Bus Pass Applied user, Verify the user and Approval is performed.

Renewal

In this Module, Administrator can view the number of Bus Pass Holders. The users Buspass information Routeid, source, Destination, Passenger type and the Date of Renewal.

Passenger

A Passenger's module allows a Passenger to authenticate to a system and to be granted authorization to access resources provided by or connected to that system. Passenger is typically required to authenticate oneself with a password for the purposes of security. After the registration valid ID will be issued by the Administrator. The Passenger can log into the system with this ID. Passenger Check view the Bus Route Information View Bus Route Information about the Route id, Source Route, Destination Route, Amount, Validity Request to issue Pass Information, View the Approval Status, Bus Pass Renewal Information.

View Route

In this Module, Passenger can view the Bus Routes, By selecting their source and Destination in the view routes they can view the Buspass Normal price, Lss Price and Routeid.

Apply Buspass

In this Module, Passenger will be Apply to the Bus Pass by entering their Details, selecting the Bus type Normal price or Lssprice and Routeid, Passenger Type and Apply Buspass the request sent to the admin.

Paid Status

In this Module, Passenger can Pay the Buspass Amount, the user can view the Buspass by selecting view buspass.

Renewal

In this Module, Passenger will be Renewal their buspass, entering the Buspass id and view the pass Entering the card number and pin number and click on the pass Renewal and renewal is performe.

V. SYSTEM TESTING AND IMPLEMENTATION

5.1 Testing

Testing is the analysis of source/executable code and the controlled execution of executable code to reveal defects that compromise a java programs executable integrity. Software testing essential for correcting errors.

5.2 Types of Testing

1. **Unit Testing:** All modules were tested and individually as soon as they were completed and were checked for their correct functionality.
2. **Integration Testing:** The entire project was split into small program; each of these single programs gives a frame as an output. These programs were tested individually; at last all these programs where combined together by creating another program where all these constructors were used.

VI. CONCLUSION

The “Online Bus pass Management System” has been developed to satisfy all proposed requirements. The process of getting bus Pass Apply through Online, view bus information and Cost details for given source and destination, Add New bus details and Ticket amount details by admin and all Customer details and Bus pass details and Renewal Details, Payment Details are maintained more simple and easy.

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