ABSTRACT

This project is a web application that will be developed using latest industrial standard technologies like HTML5, CSS3, and JQuery. The site will be responsive in nature and for that we will be using latest Bootstrap framework. This project aims to provide solution for maintaining Bus Pass information of passengers using a web based application. Online Bus Pass Renewal is a web application that allows passengers to get Bus Passes through online. The intention of this project is to minimize the use of passenger power, without making them to stand in a queue for a very long time. Online Bus Pass Renewal system helps to reduce the paper work, time consumption and makes the process of getting Bus Pass in a simple and much faster way. The system also provides students a facility to Renewal their Passes, so that the students need not go anywhere for the above purpose. User can refill their account and extend the validity every time when the pass expires. Admin can view all users’ details and balance through its login. Existing System The existing system is completely paper work and time consuming process. The Passenger need to fill the form in the corresponding office and not getting the proper idea of bus pass. Proposed System Our work introduces a new method of generating the Bus pass through online.

There are several modules:

Registration Module

Authentication Module

Administration Module

Online Payment

Generation of Bus Pass

Bus Pass Renewal

Notification (Message Alert)

Customer Module

6 REGISTRATION MODULE

Creation of the account is the first phase in this project. The user has to give complete details about him\her to create a new account. After successfully completion of account creation only the user can able to perform the online bus pass facility. All the transactions are performed based on their user id.

AUTHENTICATION MODULE

Authentication is the important module in this project. Once the user submit their details their information are accepted and the user can login with their username and password for renewing their bus pass. Only the registered users can do the renewal process. In this module it checks whether the authorized persons is accessing and it does not allow other users to access.

ADMINISTRATION MODULE

In this module admin can view all the passenger requests and their card details. They can manage various card details and fare details according to the distance and bus type. They can view passenger’s details and card details. They can reset their password.

PAYMENT MODULE

Payment is one of the challenging task to be done across the wide spread network. The amount paid through online must be secure and it should reach the authenticated user. All the transactions carried must be committed properly. In case of any power failure the transaction should not take place.

GENERATION OF BUS PASS

After providing all the necessary details such as proofs, college name, phone number, the details will be submitted to the admin. The admin verifies and authenticates the detail. If the user is approved as a trusted one, and then automatically Bus Pass will be generated in a pdf form to the user’s mail.

7 BUSPASS RENEWAL

In this module, the user logins to his account for renewal of bus pass. The user has to mention the month of renewal, user id and the necessary details. For making the payment through online the user gives the credit card number and pin number for amount transaction. Once the process is completed the user bus pass will be renewed automatically.

NOTIFICATION MODULE

To make aware of their bus pass expiry, an alert mail is automatically delivered to the user with registered mail id. Fifteen days before the start of the month, alert mail will be sent. If suppose the user fails to renew within the first fifteen days of the month, then it will be closed for that particular month. If he/she fails to renew consecutively for 3 months, then the account will be blocked.

CUSTOMER MODULE

In this module, customer can manage their profile. They can view renewal history and view their card details.