



Bus Pass Management System

Nichit Vaishnavi Shivaji¹, Harde Samiksha Balasaheb², Prof .Nawale S.K.³

^{1,2,3} Department of Computer Engineering Samarth Polytechnic, Belhe ,Tal-Junnar, Dist-Pune, Maharashtra, India

ABSTRACT

The project title is "Bus Pass Management System" this system is make for the passengers who are facing problems with the current manual work of bus pass registration and renewal. 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: Digitalization ,Secure, Pass Generation

1. INTRODUCTION

Bus pass management system is a web application for students to get bus passes through online. This system was intended to develop an application to perform functionalities like accessing the basic information of a student for authentication and provide bus pass to a particular student without placing them in a queue for a long time.

There is a need to reform the formal System with more benefits and Flexibility. We came up with this idea because of the flaws in the current system that would help people better. As per the earlier system people had to do every process manually, but this system helps people to do the work a little faster. The bus scheduling and booking system overcomes most of the limitations of existing software.

2. LITERATURE SURVEY

The official in the bus would be able to verify the authenticity of every passenger by scanning the Aztec code. That Aztec code will provided on the passengers pass with that code verification will done to Check authorized user. This project provides an more effective and efficient solution for managing bus pass information using A database. This system providing the web application and android application for people to get their Bus Passes and generation of pass online. This system provides security option for the users. The conductor in the Bus would be able to verify the pass by scanning the QR code provided on the pass with a recommended Device. After the generation of pass user will notified through message on their registered mobile. Here Bus Pass is working like a digital information of user which Scan by conductor but it not generating online Digital Pass.

Bus Pass Management System is a web-based application that works within a centralized network. This Project of Bus Pass Management System having software program that should be used in bus transportation System also it use to cancellation of reservation, a facility which is used for reserving the seats and different Types of route enquiries used on securing quick reservations.

3. METHODOLOGY

Database: SQL Server or MYSQL use to store and maintain passenger's information. The Relational database was taken because is made up of a group of logically connected tables (Data that is relation with other data). For efficient storage of data into memory we use big data processing (Hadoop) Framework.

In this project users are first register their details on the website & login when they want to update or select any root. After login user need to choose he/she want generate new or renewal of existing pass. Then download the form of generation new bus pass. Renewal and update the bus pass can also be done online with the Aadhaar card identification that is provided after the login through registration is done by the user.

DFD For Buss Pass Management System: -

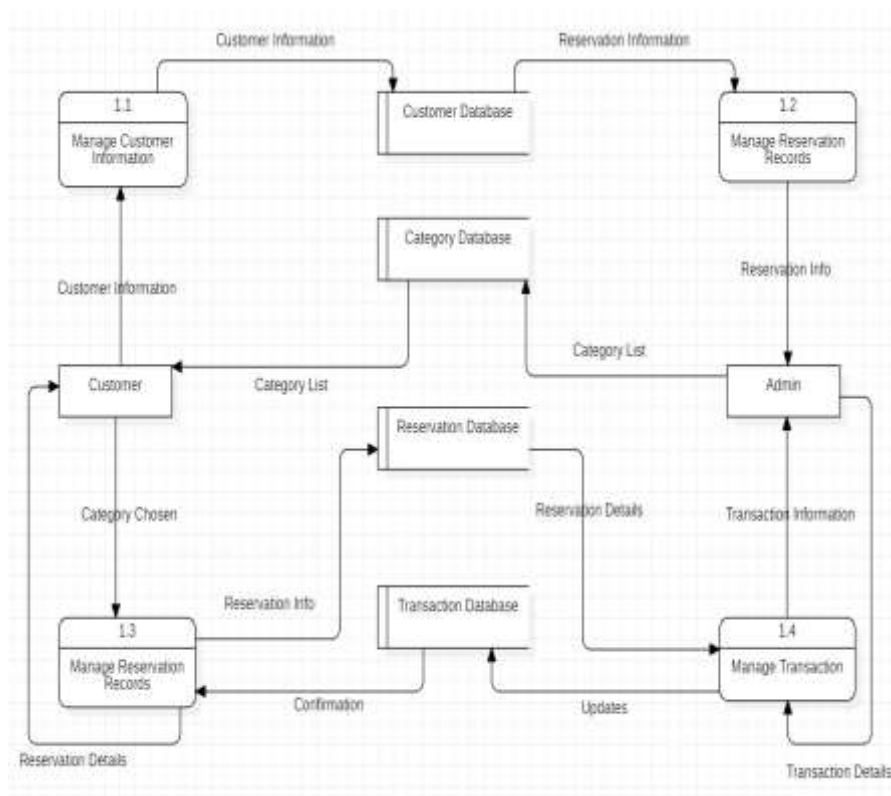


Figure: System Function Module Diagram

4. PROPOSED SYSTEM

The proposed system is intended to come out from the major drawbacks of the currently existing manual system. This system is simple and easy to design or implement. It will work in all the configurations. So, Online buss pass system is use to generate online buss pass& give the Digital buss pass at home. It will verify by Aadhaar card and User-id. GPS system is use track the bus pass. Users to know the track of particular bus status from the web application. It also storing the big database of passengers. It uses Hadoop Framework to processing the large data sets. It is use to secure data and it providing the efficient use of the memory. SQL Server or MYSQL server are use to store and maintain passenger's information and lists. The efficient storage of data into memory we use big data processing (Hadoop) Framework. In this project users are first register their details on the website & login when they want to update or select any root. Verification of users is done by photo id and Aadhaar card, GPS is provide live track of buses, big data processing frame work is also include efficient use of memory and storing user information in proper manner. The project allows users to register & generate bus pass through application/website and communicate online to manage and maintain their account.



Figure: Home Page

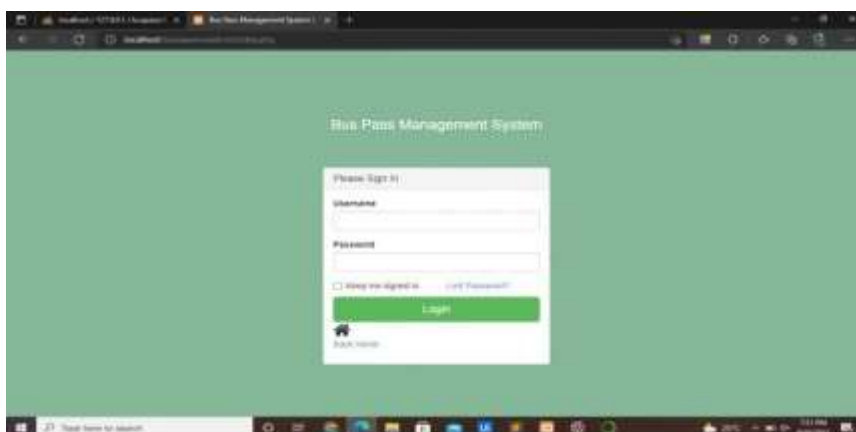


Figure: Login Page

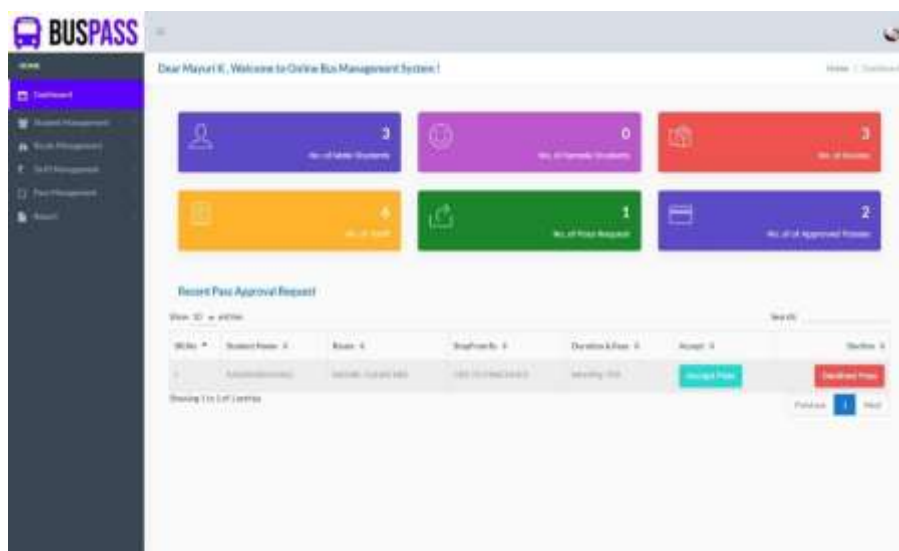


Figure: Admin Dashboard

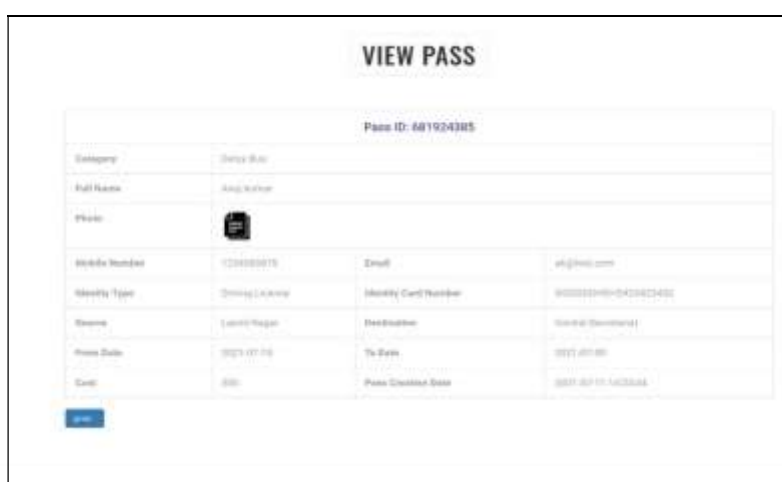


Figure: View Pass

Buss pass management system is fully automated. Only one manual process is required that is identity verification. Once the identity the users can use this system to apply for new pass, renew their expired pass and make payment for the same. The admin of this portal can check all the transaction and view the details of every users. This becomes very essential in taking managerial decisions. It also reduces the risk of corruption. Form a user's perspective, managing their buss pass becomes easy and smooth.

5. CONCLUSION

Bus Pass Management System' have powerful features and is certainly more than a " very simple" diagramming tool. With its support of MDA (Model Driven Architecture), it is the more aimed at people using UML in an intensive way and with some code generations objectives than for simply drawing diagrams to document requirements .Due to this inevitable requirement, computerization of every sector in the main stream is the must, so that it can be hold itself in the race. Few eye-catching features of our project are by its simplicity, accuracy, and its user-friendly interface. Our software incorporates all features and facilities provided by the sublime text editor software. This project has been developed for manage the entire working of the bus pass administrative. We would like to convey our sincere gratitude and thanks to all, who stood as our backbone behind, in designing, formatting and helping us in executing this project successfully.

6. REFERENCES

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