TRAVEL BUDDY - BUS PASS AND TICKET APPLICATION

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Abstract - *This project aims at providing bus passes and bus tickets online through mobile application. The user can simply login in the application and book a pass or ticket as per his/her requirements. A digital ticket is generated in the mobile application. The payment is done through e-wallet in our application which provides cashless facility. Conductor only has to check the generated ticket/pass in the app for verification. This system reduces the paper work and avoids standing in long queues for passes.*

***Key Words**: Smartphone, E-wallet, Login, Ticket generation, Renewal.*

1. INTRODUCTION

The world is getting smarter day by day as technology is growing very fast. Keeping ourselves updated in this fast moving world is necessary. In such environment the existing system of bus ticket booking is very slow and tedious. In order to book a monthly pass the customer has to visit the bus depot and stand in long queues. This process is time consuming. The project helps in solving this problem, as it makes booking tickets/passes easier and faster. E-wallet is used while booking the tickets/passes.

The registration process is made easy and simple for more convenience to the users. The admin has all the authorities to add new users and new bus passes or tickets for further updation

2. Literature Survey

This project upgrades our existing bus pass or bus ticket issuing system in the Indian states. The current system requires the local users or students to submit the necessary documents and proofs manually in the bus depots. After the submission of these documents it has to be verified by the officials of the bus depot.

It is therefore a time consuming process for the travelers because they need to follow a lengthy process for registration. Once the verification process completes the bus pass is provided to the user on a specified date. It is hence a hectic process to be followed for getting a pass.

3. Existing System

Many states of India have this situation. [3] In Andhra Pradesh, there is a online application form created using HTML. This helps in filling the bus pass form online using the internet. However, disadvantage of this process is that the bus pass is not issued online unlike the implementation of this project. [4] In Tamil Nadu or Maharashtra state the details of the fare and bus timing is accessible for the benefit of the users. However, there is no facility of online bus pass system. Also it is the same case in other states such as New Delhi [5]
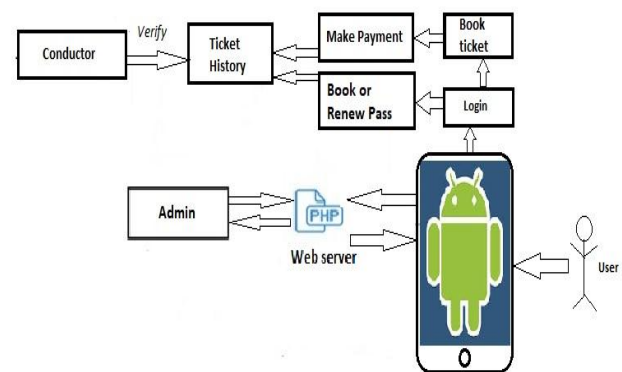
4. Architecture

Fig. 4.1: Architecture

5. Proposed System

The proposed system is invented to overcome the drawbacks of the currently existing system. This system is a smartphone application for user to get bus pass or ticket online.

6. Registration

To obtain online pass or ticket the user registration process is very easy. The user needs to provide basic details while registration to the admin. The admin then generates a new login for the user and the password is sent on the user's email. The customer uses this password along with his email id for login.
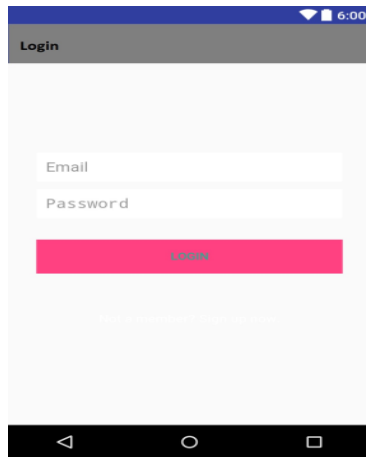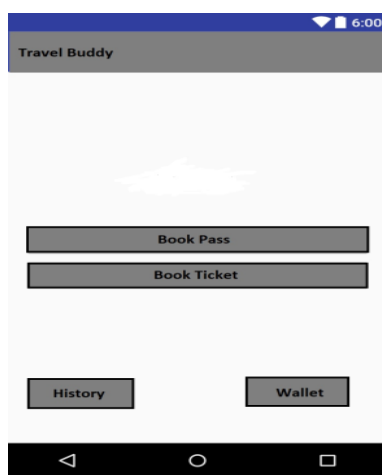
Fig. 5.1.1: Login

Fig. 5.1.2: Home page

7. Payment

The payment of the tickets or passes is done within the application using e-wallet.
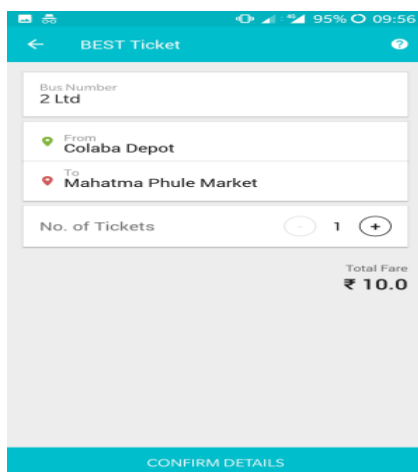
The payment process becomes cashless and quicker.

Fig. 5.2.1: Book ticket

8. CONCLUSION

This is a real time project which will be useful for the people to overcome the problems of current existing system. The proposed system will enable users to book passes and tickets online. This system also enables the users to renew the passes easily. Also, it eliminates the paper process present in the today's system. Verification of the pass or ticket ensures that any fraud will not be possible. The process of booking pass or ticket becomes faster. These are some of the benefits that would be caused by the proposed system.

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