



Android Application for Issuing Bus Pass

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Abstract:

This Application is mainly aims to give an effective facility of online bus pass system. It also uses database to store information about passenger. This system has two logins, one for user and another for admin. In this project bus pass generation as well as renewal system is provided. It is a real time application for people to get bus pass. It is very useful as it reduces paper work, time consuming and makes process in simple and faster way. User can renew their existing pass by extending their validity of time when pass expires. This system is intended to develop an application to do functions like accessing information for authentication and offer pass to particular person. So, users don't need to stand in queue for long time. This system is helpful for people to get a pass. User can get a pass from anywhere and anytime. The benefit of this project is no one can reuse issued pass due to photograph and unique id. The notification will generate before expiring monthly pass. This is beneficial for every passenger to get pass in time. Aim of this system is to generate daily, monthly and yearly bus pass.

I. INTRODUCTION

These days technology is everywhere in our lives. It affects how we shop, socialize, connect, play, learn, etc. All our daily activities are encircled with the use of technology in some or the other form. The large amount of growth in India's population has increased the demand of the public transport. In the areas of public transport, it has become essential to consider effective technologies that will ease the travelling of customer. This project intended to propose an Android mobile application that gives information about bus timing, bus numbers and also bus routes – both online and offline. Reason for Android platform - Android requires an open source development which is probably the most feasible and a present user-friendly approach. As in the existing system people had to do each and every process manually, but this Application helps people to make the work a bit faster. People can check bus route and bus time offline 24 hours a day throughout the week. In addition, the online system lets the people to apply for bus pass. Furthermore, Handicap person can also apply for their special pass and can check concessions schemes according to their type of disabilities. The app will contains user profile, bus route, pass schemes, concession schemes, term and conditions, procedure for apply bus pass in detail. User will get a notification when their pass is confirmed and alert message to inform them for the renewal of their passes. This will be free bus pass issuing and renewal app. It will offers quick and secure way to will be free bus pass issuing and renewal application. It will offers quick and secure way to apply for pass. It will allow user to check pass rates for particular distance and to read recent concession schemes for them. They can also check status of their pass.

II. RELATED WORKDONE

1] The application implemented in Pune was not updated since its development; it does not show the bus number and arrival time.

2] The application implemented in Mumbai had a problem. Whenever an option for the source to destination is deleted, the field still remains blank, i.e. no bus routes are displayed.

3] Application built-in Delhi was not showing information about the alternate route.

4] Application built-in Bangalore has fed in wrong routes on several buses and given no updates to fix them.

5] Application built-in Ahmadabad has not been updated since the time of its development.

We have designed a system deals with overcoming all the problems faced in earlier applications and providing user friendly application.

Strength and weakness of a system: Strength

- You can find all the bus pass related information online without going to the bus station.
- This online bus pass software system will help students and passengers get bus passes online and eradicate the need of standing in queues for passes or collecting a ticket for each journey.

Weakness

- It requires a large database and memory.

III. PROPOSED SYSTEM

We are creating this project to overcome the problems of existing system. In this project user can generate online form. User can show his/her pass online also, there is no need to take print of that pass. User can do online payment with better security. They can use credit card or debit card for transaction. Steps involved in maintaining the user / client information the database:

- Step 1. Login
- Step 2. Application for forms authentication.
- Step 3. Develop functions to generate value.
- Step 4. User account database.
- Step 5. Store account details in database.

IV. SYSTEM RESULT

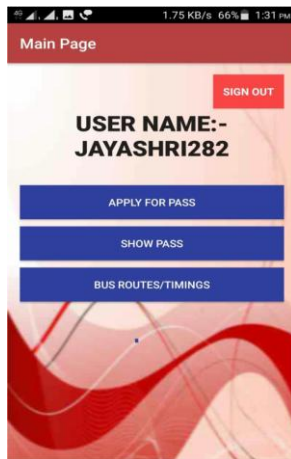


Figure .1. User Profile Screen

Figure 1 shows the profile of the user. User can apply for the pass, can view the bus routes and timings, and also can see the pass after the successful registration for pass. Also you can Sign Out from this page.



Figure .2. Pass Registration Screen

Figure 2 is all about the application form of pass. In this screen, you will have to fill all the details asked about and then system will let you go to next step.



Figure .3. Generated Pass

In Figure 3, you can see the generated pass.

V. FUTURE SCOPE

- The payment can be done online via credit or debit card.
- Can be developing smart card instead of taking print out of pass.
- If new places developed, information smart card instead of taking print out of passes.

VI. CONCLUSION

Thus, we have developed a user friendly and flexible application for online bus pass. It is a real time project which is useful for the public who are facing problems with the current manual work of bus pass.

VII. REFERENCES

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