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MOBILE APPLICATION FOR E-BUS PASS RENEWAL SYSTEM FOR TAMIL NADU PUBLIC TRANSPORT SYSTEM

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Abstract

This paper aims to supply an efficient answer for maintaining Bus pass info employing information. The system has two logins, one for user and alternative for admin. Online bus pass Generation system may be a net application for folks to induce Bus passes through on-line. this method was meant to develop associate degree application to perform functionalities like accessing the essential info for authentication and supply Bus pass to a selected person while not putting him/her in an exceedingly queue for a protracted time. Online bus pass generation system is useful because it reduces the paper work, time consumption and makes the method of obtaining bus pass in easy and quicker method. User will refill their account and extend the validity anytime once the pass expires. Admin will read all users' details and balance through its login.

The recent itinerant technologies taken to implement the e-Bus pass renewal system victimisation our projected Mobile Application. By this Mobile Application we will be able to get bus pass from anyplace within the state to renewal the Bus pass.

Keywords: Login, Apply, Payment, Generation, e-Bus.

1. Introduction

This paper was created to supply "safe, reliable, timesaving, efficient, comfy and affordable" services for individuals, though the value for providing this service has been substantial. It heavily backed by the govt and is reportedly within the red, like most of India's state run road transport undertakings. Despite the fact that we've heap of technology development in Madras, we tend to haven't got any official web site for Bus Pass Registration and Renewal as several of our Neighbour states possess. Thus we tend to got this idea that might facilitate our individuals in a very higher means. As per the previous system of our state individuals had to try and do each and every method

manually, however this technique helps individuals to form the work a touch quicker. Client will register for the Bus miss the web, at intervals the primary fifteen days of the month.

Furthermore, customers now have to be compelled to pay to shop for bus pass as a result of they will pay the quantity mistreatment mastercard. Hence, there's a desire of reformation of the formal system with additional benefits and practicableness [1].It is heavily backed by the govt and is reportedly within the red, like most of India's state run road transport undertakings. Thanks to the drawbacks that are gift within the existing system,

We tend to get this idea that might facilitate individuals in a very higher means. As per the previous system individuals had to try and do every and each method manually, however this technique helps individuals to form the work a touch quicker [2].

The client should buy the ticket over the web, twenty four hours on a daily basis throughout the week, this solves the problem of ticket being misplaced or purloined. additionally, the net system lets the shoppers check the provision of the ticket before they obtain ticket. Moreover, customers now have to be compelled to pay to shop for ticket as a result of they will pay the ticket by mistreatment mastercard (e.g. Master Card, Visa Card).

2. Impact of Mobile Applications in Recent Trend

The current trend of the apps that are being downloaded by the users is classified and that they are recreation, personalisation, sports, business, tools, lifestyle, social, magazines, shopping, health, travel, location, comics, finance, weather, media, tools, transportation, medical, libraries, shopping [3]. Games still are the foremost fashionable class of apps for each feature phone and smartphone users alike. But, whereas all classes of applications ar additional fashionable on smartphones than on feature phones, the distinction is additional pronounced in classes like maps/navigation, wherever additional computing power, larger screens and bit interfaces deliver an additional satisfying expertise [4].

Designing a mobile platform that may with success incorporate all of those applications additionally because the next generation of applications, which can incorporate options like HD video, high end audio, digital SLR like imaging and increased reality may be a challenge [5].

2.1 Challenges for the Mobile Platform

With such a lot of new smartphones coming back into the market, apps play a serious role in complementing the mobile platform design. Some way to interrupt down the challenges these apps offer to a mobile platform is to easily categorise the apps being downloaded in terms of the platform design wants. The square measures that commence of

this analysis provide insights into use cases that are evolving however additionally a touch of the type of design that a mobile platform resolution ought to be engineered on [6].

Therefore next generation mobile platform solutions need to be architected in such some way they'll offer a really sensible user-experience, each with the apps presently in use and with the many thousands of apps being developed each day.

3. A New Framework of Mobile Application for e-Bus Pass Renewal System

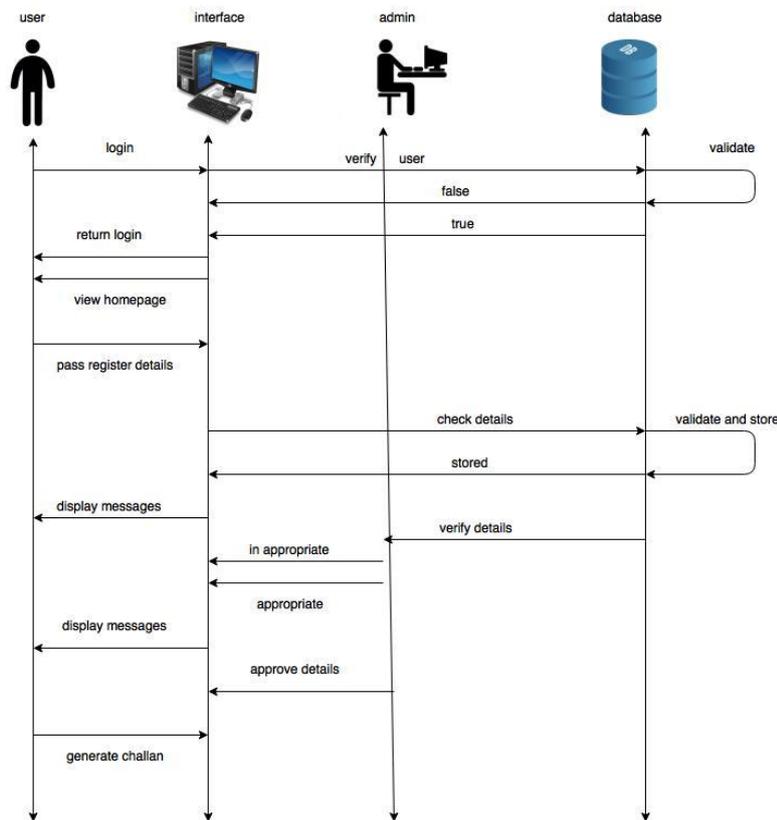


Figure 1. Framework of Mobile Application for e-Bus passes Renewal System.

In the above figure 1, the User Interface (UI) is used for login, view homepage, display message, generate chalan. As the duty of administrator he can manage profile of user, change or modify user rights.

Managing the different pass schemes and verification of online registration for passes, and now when it comes to public they can create their account for pass registration or renewal and user can manage or changes in their profile.

User can select pass scheme related to them. User can generate chalan for payment of pass. Database is an organized collection of data's.

It is the collection of schemas, tables, queries, reports, views and other objects. The password is in the encrypted form in. After login, user has to apply for the form by providing necessary details to get the pass. The admin can check the received applications, verify and then issue the pass. Depending upon the criteria specified, the fixed amount will be

deducted from users account when the submit button is clicked.it stores all information one by one in the encrypted form. Information of the applicant provided by them is displayed below which consists of the applicant's name and finally it generates challan.

4. Conclusion

It is a true time project that is helpful for the general public UN agency face issues with this manual work of bus pass registration and renewal. It additionally will increase the validity amount, often warn the individuals before completion of his validity amount by causation Short Message Service or mails. Their renewal or registrations are often done employing a mastercard. Within the due course of your time if the user expects over what this technique provides, the new needs are often simply by enhancing the system while not creating a lot of of changes .the places and therefore the data about the place are often updated. We are able to use E-cash system. Consistent with our work new packages like new places developed and be additional by the admin.

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