❐   262

E-Carnet Resumption and Repository System for Bus Line Commuters

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Article Info	ABSTRACT
	E-Carnet Resumption and Repository System for Bus Line Commuters is an ongoing venture which is very useful for the passengers. Resumption can be done using any two id proof and using credit card for paying money. This online bus pass Resumption application will help people to save their time and repository the bus passes without standing in a line for hours near counters. At first individuals need to enlist with the application by submitting points of interest of photograph, address proof, any two id verification and required subtle elements and submit through on the web. The application will verify the details and if all proves are verified then followed by transaction will be held. After that the pass will automatically generating and send it through mail. You can even repository using credit card or wire transfer methods. This system can be used in bus transport undertaking services. Using the system in government and private sectors can exclude the use of human efforts and saves lot of money and time. This system also used to finding the route for Different places. The route information updates admin control so user trusts the valid paths. User locations are tracking using GPS tracker.

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1. INTRODUCTION

Nowadays the most important sectors around the world are internet. The life has modified by the way of internet. The task of reservation systems using the internet is easiest way to do that task [1]-[3]. In existing work id proof of submission forms are to be validated and then issue the bus pass to the current passenger after the submission form is validated. This process is very tedious, when get the pass to passenger it requires to stand in lines. Lots of time is waste for the earlier [4]-[6].

This project was provide to peoples such as trustworthy, secure, efficient, time reduction and inexpensive. Each and every method can do physically for earlier system, although this framework works bit speedier for peoples [7]. Passengers can resumption the transport disregards the Internet, 24 hours a daytime amid the week, the issue of bus pass lose or stolen is resolved. Consequently the framework has more favorable circumstances and adaptability of reformation. Now the current system is very useful for resumption and repository of carnet [8]. This system also used to finding the route for Different places. The route information updates admin control so user trusts the valid paths. User locations are tracking using GPS tracker.

2.   RESEARCH METHOD

We are generating this project in android app for to overcome the existing web application problems. In this project passenger can create registration form. Passenger can illustrate his/her resumption through mobile application and no compelling reason to take print of that resumption. Passengers can do online installment with improved assurance. Master card or platinum card is used for online transactions.

2.1. Account Creation

First stage of this project is construction of login account. To create a new account the passenger has to provide the entire details about him/her Figure 1. Finally conclusion of account construction is achieving the online bus pass capability. Passenger id is more important for all the transactions.

2.2. Verification Process

In this Project, the significant component is verification process. The passengers submit their details are allowed and passenger can login with their user id and password for renewing their carnet pass. This module it checks whether the approved people are getting to and it doesn't enable different passengers to get to.
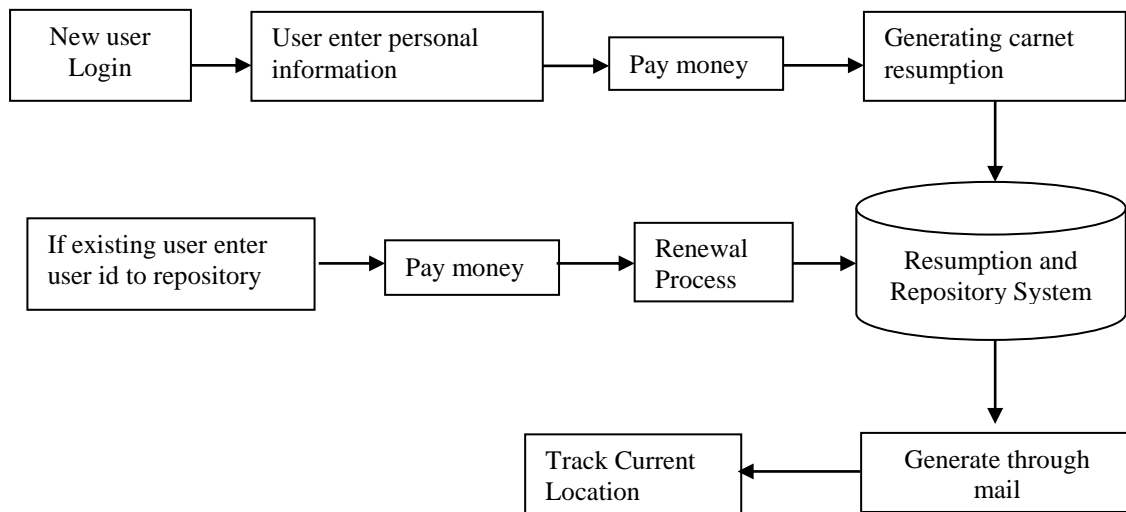

Figure 1. Verification Process

2.3. Carnet Resumption and Repository

In this module, the user enters into the Repository form for Repository of bus pass. Passenger needs to give the time of Repository, passenger id and the vital subtle elements. The installment through online passenger gives their charge card number and stick number for sum exchange. The candidate can login and renew their bus pass using credit card. After that the pass will automatically generating and send it through mail. You can even Repository using credit card or wire transfer methods. This system can be used in bus transport undertaking services. A Practical Investigation on Training Need Analysis of the Employees in Probationary Period in Information Technology Sector It is quick process and they can do their Repository in their own place itself. Once the procedure is finished the passenger bus pass will be recharged through this application.Print Media Business Model in Current Situation.

3.   RESULTS AND ANALYSIS

This module is the final phase in this project. A Practical Investigation on Training Need Analysis of the Employees in Probationary Period in Information Technology Sector It is quick process and they can do their Repository in their own place itself. Once the procedure is finished the passenger bus pass will be recharged through this application.Print Media Business Model in Current Situation. Once all the transactions have been completed in carnet resumption and repository the user can get the current month report for their reference.

4.   CONCLUSION

We have developed a flexible and client responsive mobile application for e-carnet resumption and repository system. This real time mobile application is useful facing problems with the present physical work of bus commuters. By this System is sending mails to people with helps to bus-pass validity.

REFERENCES

[1]   Ganesh K., *et al.*, "Implementation of a real time passenger information system," arXiv preprint arXiv:1206.0447, 2012.

[2]   Caulfield B. and O'Mahony M., "An examination of the public transport information requirements of users," *IEEE transactions on intelligent transportation system*s, vol/issue: 8(1), pp. 21-30, 2007.

[3]   Lee J. W., *et al.*, "Bus information system based on smart-phone Apps," in *Proceedings of the Korean Society of Computer Information Conference. Korean Society of Computer Information,* 2012.

[4]   Bae D. M., "An analysis on the efficiency of bus information systems," *Journal of Korean Society of Transportation*, Bucheon city, vol/issue: 20(1), pp. 7-18, 2002.

[5]   Caceres N., *et al.*, "Deriving origin–destination data from a mobile phone network," *IET Intelligent Transport Systems,* vol/issue: 1(1), pp. 15-26, 2007.

[6]   Rajasekar D. and Aruneshwar D. K., "A Practical Investigation on Training Need Analysis of the Employees in Probationary Period in Information Technology Sector."

[7]   Narayanan V. S. and Ramachandran S., "International Journal of Economic Research," *Print Media Business Model in Current Situation,* vol/issue: 14(1), pp. 83-89, 2017.

[8]   M. Anwar, *et al.*, "Wireless Body Area Networks for Healthcare Applications: An Overview," *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, vol/issue: 15(3), 2017.