



Travezy WebApp for Efficient Transportation Services

Viven Hotwani^{*1}, *Mrunmayi Padave*^{*2}, *Payal Waghare*^{*3}, *Sneha Dewani*^{*4}, *Dileep Kumar Nitture*^{*5}

^{*1,2,3,4}Final Year Student, Department of Computer Engineering, Vivekanand Education Society Polytechnic, Chembur, Maharashtra, India.

^{*5}Senior Project Mentor, Department of Computer Engineering, Vivekanand Education Society Polytechnic, Chembur, Maharashtra, India.

ABSTRACT

In recent years, bus transportation has become an essential part of public transportation. With the increasing number of passengers using bus services, it has become challenging for the transport authorities to manage the system efficiently. In this paper, we propose a bus booking webapp that provides a seamless booking experience for passengers and simplifies the management of bus services. The application uses a database to store and manage data related to bus routes, schedules, and availability of seats. It also provides features such as seat selection, online payment, and cancellation. The proposed application helps passengers save time and avoid long queues at bus stations while allowing transport authorities to manage bus services efficiently.

Keywords: bus transportation, Booking webapp, efficient services

I. INTRODUCTION

Bus transportation is an essential mode of public transportation, providing affordable and convenient services for millions of people worldwide. However, managing the system efficiently has become challenging for transport authorities due to the increasing number of passengers using bus services. Long queues at bus stations, limited seat availability, and inadequate booking systems are some of the common problems faced by passengers. These issues have led to a significant demand for efficient bus booking systems that can provide a seamless booking experience for passengers and simplify the management of bus services.

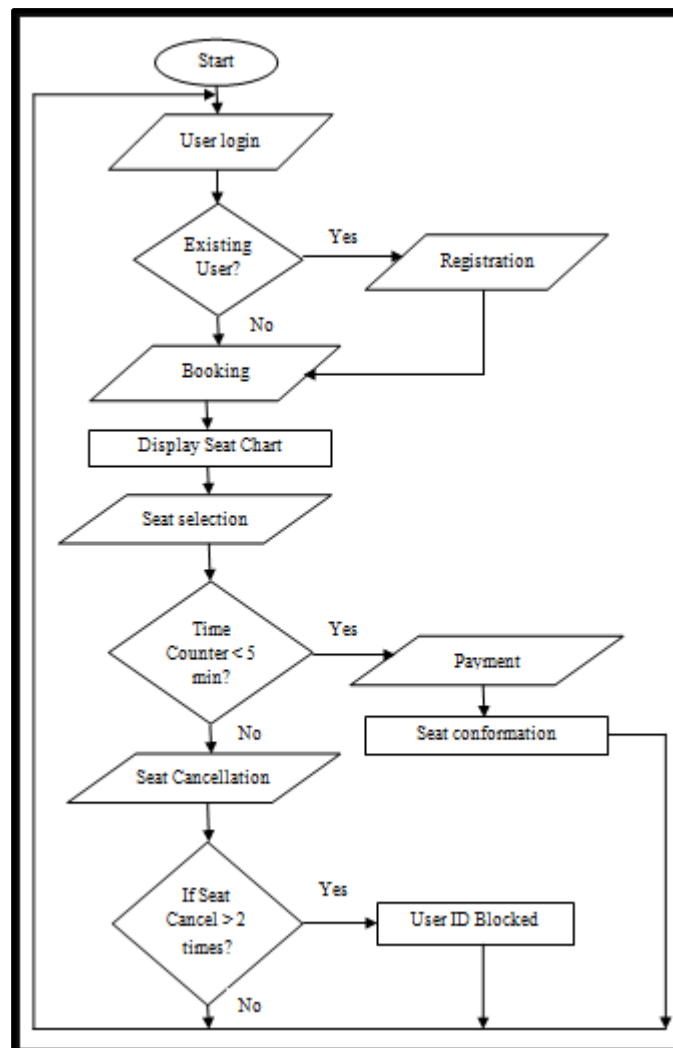
II. LITERATURE SURVEY

We were asked to give four topics in regard to our final year project of capstone project planning(cpp). We came up with various topics after discussing it and searching for topics on the internet, however we were unable to come up with a unanimous decision for the topic. We decided to put the decision of selection of topic to a survey. We included friends, relatives, neighbours, etc. The people who took the survey were asked to give such an idea which is required globally and is a necessity. After seeing the results of the survey we came with the topic of Accounting as it is something which is a requirement for businesses globally. This topic fit our requirement of doing something which is of practical use widely..

In 1974, American airlines were the first to use an automated booking system, which was still almost manual. Technology grew, and a computer reservation system was developed. In this present era, the online booking or reservation system has improved the operations of various sectors of a nation's economy deploying this system. Travezy Application being a web based system that ensures that the company would be able to transform most of the processes carried out manually into automated, error-free and easy to use operations in the organization especially in the area of transportation; also it would be able to generate reports for the management decision purpose. This system will be developed using a waterfall methodology for research and design purposes, React as the programming language makes data processes less on the client personal computer, an implementation strategy as well as testing and maintenance strategies suitable for efficient deployment of the system.

III. MODELING AND ANALYSIS

The main focus of the modeling and analysis is to provide a detailed report on the modeling of the report. In this section we present the graphs and charts to show the analysis and the glimpse of our research work.

Flow Chart**IV. CONCLUSION**

In conclusion, the proposed Travezy App provides a solution to the challenges faced by passengers and transport authorities in managing bus services efficiently. It can be integrated with existing bus systems, making it easy for transport authorities to implement it. It provides a seamless booking experience for passengers and helps transport authorities manage bus services efficiently by providing real-time data. It can be further improved by adding features such as bus tracking.

V. REFERENCES

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