



Project Development Initial Draft

Bus Booking System

Department of Software Engineering
FAST NUCES PWR



BRIEF DETAILS ABOUT PROJECT

Note: maximum two students are allowed in a group

Project Name	Bus Booking System		
Date of Commencement	9-September-2022		
Expected date of Completion	10-December-2022		
Group members name with Roll number	Name	Roll No.	
	Munzir Kalim Ahmed	20P-0477	
	Muhammad Shaheer	20P-0480	
Implementation Tool	SQL, Visual studio(2022) & C#(.net framework version 6.0)		
User interface / Graphics Development Tools	Window Form(.Net Framework)		
Documentation Tools	Microsoft word/Latex		
Name of Platform for Implementation	C#		



Executive Summary (btw 8-25 lines)

The Software “Bus Booking System” provides customers with a personalized easy-to-utilize user experience for booking and purchasing tickets online. It stores customers' personal data records, scheduled routes, frequent trips, drop points, and other information. Bus Booking System has a Login Page in which two users Admin and Customer can login to the system. Admin can add customers, edit customer information ,delete customer information ,view payment history, view booking history, assign drivers, assign buses and others. Customers can do Registration, reserve seat, book ticket, cancel ticket, edit ticket, check routes, view seats availability, contact Admin and others.

1. Introduction

1.1 Problem Statement

There are alot of drawbacks and problems when using this software system. Two major problems are when there is no availability of buses and also if drivers are not available so admin can manage these issues.

1.2 Aim and Scope

The Aim & the scope of “Bus Booking System” is to provide efficient and reliable software to the customers.

1.3 Project Background/ Previous Work Done

“Bus Booking System” is a software developed for maintaining different activities related to the booking of buses. For the past few years, the number of customers who travel to different cities have increased rapidly. In this situation we think that there would be an online software system that allows customers to book their tickets and reserve their seats online.

1.4 Functional and Nonfunctional Requirements

i)Functional Requirements:

- Admin can add customer
- Admin can delete customer
- Admin can edit customer details
- Admin can view payment history
- Admin can view booking history
- Admin can assign drivers
- Admin can assign busses
- Customer can reserve seat
- Customer can book ticket
- Customer can cancel ticket
- Customer can check routes
- Customer can view seat availability
- Customer can contact admin

ii) Non Functional Requirements:

- **Scalability:** System must be able to accommodate large data of Users.
- **Availability:** Students can be able to use this software 24 hours.
- **Security:** All data of users will be saved from malware attacks or unauthorized access.
- **Usability:** Easy to use for users.

1.5 Expected Deliverable /End Product

- 10 December 2022

1.6 Limitations

- This software is not run in linux operating system

1.7 Reference

<https://www.slideshare.net/muzammilsiddiq/bus-ticket-management-system-documentation>