

Final Year Project Report
BigBus



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Dedication

We want to dedicate our project to our parents without their prayers and support we are nothing.

Final Approval

Panel of Examiners

- **Head of Department**

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Acknowledgment

We are grateful to Allah Almighty who gave us courage and ability to complete this project. We are thankful to our family and friends for supporting and praying for our success. We also thankful to our respected teachers and advisors.

Revision Chart

Version	Primary Author(s)	Description of Version	Date Completed
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Project Title

Big Bus

Objective

BigBus is a web and mobile – based application that allows visitors to check Bus schedules, seat availability and book tickets online.

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12/9/2016

Completion Date

20/8/2017

Tools Used

NetBeans [1], Android Studio [2]

Operating System

Windows 10

Abstract

Buses are the most communal means to travel across cities in Pakistan. Manual reservation of bus tickets is very difficult and also takes a lot of time due to long lines of traveling passengers. To overcome all these issues, a well-organized system to ease the process of bus ticket reservation is planned in this project. The structure is a mobile-based as well as web-based application that allows peoples to check seat availability, and reserve tickets online.

The main objective of this project is to decrease the difficulties and exertions faced by customers and operatives during manual ticket reservation. Customer can select their desired bus company, travel time and seat number.

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Definitions and Acronyms

Table 1: table of acronyms and definitions

Acronym	Definition
UMT	University of Management and Technology
PHP	Personal home page
SQL	Structured Query Language.
JS	Java Script
JQ	Java Query
HTML	Hypertext markup language
CSS	Cascading Style Sheets
BB	Big Bus
XML	Extensible Markup Language

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1. INTRODUCTION

BigBus is basically an online desktop and mobile-based application that allows travelers/passengers to purchase bus tickets online. It also deals with annulment of reserved tickets and also upkeep of histories of each traveler who had reserved/booked a seat for travelling. The booking system has three segments.

- 1st segment helps the traveler to check for the availability of desired seats in a specific bus at given time and date.
- 2nd segment helps customers to book ticket on their wanted bus and time and seat.
- 3rd segment helps customers cancel a reserved ticket.

Customers pay using their bank accounts, easy paisa or mobi-cash accounts.