1. Introduction

1.1 Purpose

The purpose of this Project is to build a Basic Railway ticket reservation website.

1.2 Scope

This reservation system is robust and up-to date software support.

1.3 Overview

This project contains the following parts:

1) Backend Development

2) Frontend Development

3) Website Development

2. General Description

The purpose of this source is to describe the railway reservation system which provides the train timing details, reservation billing and cancellation on various types of reservation namely:

• Confirm Reservation for confirm Seat.

• Reservation against Cancellation.

• Waiting list Reservation.

• Online Reservation.

• PNR generation

3. Fundamental Requirement

3.1 Description

The requirement that are used in this project are:

1) Software Requirements: Domain, Webhosting Software

2) Hardware Requirements: Server, Admin Computer, Internet

3.2 Technical issues

They include both bugs, Glitches, Traffic

4. Interface requirement

4.1 GUI

It must contain Graphical Images, Videos and Other media.

4.2 Hardware interface

It has server and an admin pc to control and manage the website.

4.3 Software interface

Login page, Payment options, webpage

4. Performance requirement

Fast response forms the server, Multiple user access at the same time, safe payment methods

5. Design constraint

Discounts for physically disabled people

Discounts for pregnant women

6. Other non-functional attributes

It offers saved login info and card info

7.1 Security

It has high end security for payments and login

7.2 Reliability

The website is very reliable as it provides everything the user needs.

7.3 Availability

It is available for everyone on the Internet

7.4 Maintainability

The website is really easy to maintain as it is maintained with web hosting.

7.5 Reusability

This website can be reused to make other reservations

7.6 Operational scenarios

It works on normal situations with proper amount of network