



**VIT-AP  
UNIVERSITY**

**School of Computer Science & Engineering  
VIT-AP UNIVERSITY, INAVOLU, AMARAVATI**

**VISION DOCUMENT ON  
“E-TICKET BOOKING SYSTEM”**

**For the fulfilment of the course  
Under Guidance of Prof. Hussain Syed**

**DONE BY**

19MIS7050	KARTHIKEYA GRANDHI (TEAM LEAD)
19MIS7001	KARTHIK KOLLURI
19MIS7045	ROHIN GANDE

## **TABLE OF CONTENTS:**

### **1. INTRODUCTION**

- 1.1 Purpose of the vision document
- 1.2 Problem Statement
- 1.3 References

### **2. USER DESCRIPTION**

- 2.1 User profiles
- 2.2 User environment
- 2.3 Key User Needs

### **3. PRODUCT OVERVIEW**

- 3.1 Product Perspective
- 3.2 Product Position Statement
- 3.3 Summary of Capabilities
- 3.4 Assumptions and Dependencies

### **4. FEATURE ATTRIBUTES**

- 4.1 Constraints
- 4.2 requirements baseline

### **5. PRODUCT FEATURES**

### **6. OTHER PRODUCT REQUIREMENTS**

- 6.1 Applicable Standards
- 6.2 System Requirements
  - 6.2.1 Performance Requirements
  - 6.2.2 Environmental Requirements
- 6.3 Software and Hardware Requirements

### **7. DOCUMENTATION REQUIREMENTS**

- 7.1 User Manual
- 7.2 Online Help

### **8. GLOSSARY**

## 1. INTRODUCTION:

### 1.1 Purpose:

The purpose of this new feature is firstly to overcome the transportation problems for the customers (example like employees, daily based workers etc) and

Secondly making common login for the entire application so that it becomes user friendly with some minor changes based upon the requirements needed for that particular booking.

### 1.2 Problem Statement:

The problem occurred before having online system includes:

- Most updates are unnoticeable
- File lost
- When online system is not implemented the complaints are reported in files. The files are always lost due to some human errors.

Element	Definition
<b>The problem is....</b>	User faces a lack of choices when he or she wants to transfer goods from one place to another considering cost and time.
<b>Affects....</b>	Companies, Employees, Users.
<b>And results in....</b>	Delay in door step pickup & delivery will be happening with respect to particular delivery and also result in more delivery costs.
<b>Benefits of a solution....</b>	Time efficient (user need not go out). Weightage restrictions are excluded.

The problem identified after having this website are:

- No transportation features
- Interface issues
- Usability issues
- Login issues
- Navigation issues
- Payment issues
- Travel booking issues

## 2. USER DESCRIPTION:

### 2.1 User profiles

User can select his own type of transportation or he can order the food what he want with respect to the time and if the user want to go for any tourism place the user can apt for any packages and accordingly user can make the payment.

### 2.2 Key User Needs

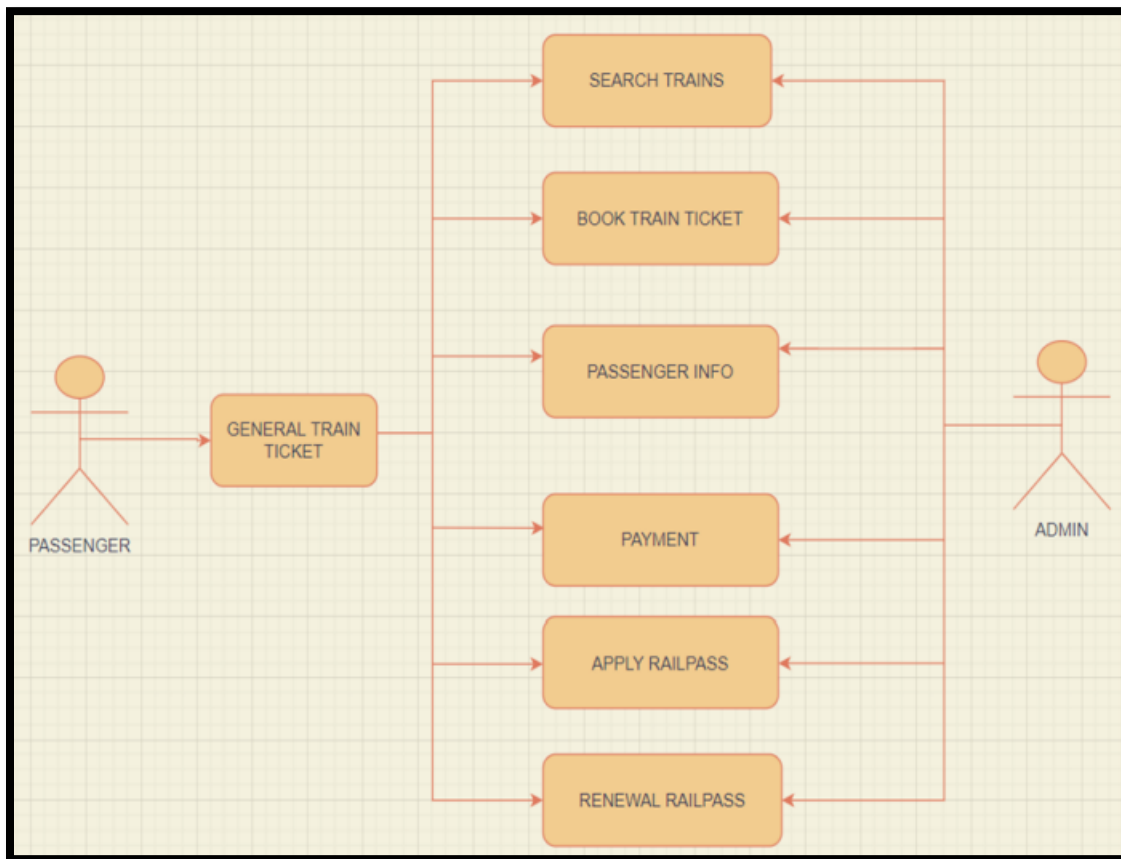
Key problems that the user want is

- The transportation option.
- Common login
- Loading issues

Need	Priority	Concerns	Current Solution	Proposed Solutions
Transportation	High	Customers need to visit other sites for this particular feature	See proposed	Provide transport feature to user at affordable prices with multiple new additions to the existing system.
Navigational	Low	Ability to customize Menu and functions based on different user needs	See proposed	Allow Users to be configured on chosen needed function and menu layout

### 3. PRODUCT OVERVIEW:

#### 3.1 Product Perspective



#### 3.2 Product Position Statement

For	Users of the site
E-ticket booking	User friendly site
That	User can book tickets and transport items.

#### 3.3 Summary of Capabilities

Benefits of our site,

1. Transportation feature
2. Common login
3. Booking ticket
4. One time pass
5. Better security



Name	Description	Responsibilities
Requirements Engineers	This stakeholder works with customers and stakeholders to translate needs into requirements.	Specifies domain, non-functional, and functional requirements. Refines requirements as needed.
Software Architect i.e., Team Members	This stakeholder is a primary lead in the development of the E-ticket booking	Responsible for overall architecture of the system, and guides overall design and implementation of system.
Project Manager i.e., Team Lead	This stakeholder leads development of the E-ticket booking	Plans, manages and allocates resources, decides priorities, coordinates interactions with customers and users, and keeps the project team focused.

## 4. FEATURE ATTRIBUTES

### 4.1 Constraints

#### Usability:

- Help system
- Customizable user

#### Performance:

- Accuracy
- Minimal number of clicks
- Minimal time between click and system response

#### The Requirements Baseline:

The requirements baseline requirements baseline is the itemized set of features is the itemized set of features intended to be delivered in a specific version of the application. The baseline must ... Be at least "acceptable" to the customer. Have a reasonable probability of success, in the team's view.

#### Setting Priorities:

During prioritization it is important that the customers During prioritization, it is important that the customers and users, product managers, or other representatives-not the development team-set the initial priorities.

## 5.Product Features

- 5.1 **Feature 1:** Login
- 5.2 **Feature 2:** Modes of Travel
- 5.3 **Feature 3:** Tourism
- 5.4 **Feature 4:** Transportation feature
- 5.5 **Feature 5:** Ordering of food
- 5.6 **Feature 6:** Booking for train
- 5.7 **Feature 7:** Payment for selected option
- 5.8 **Feature 8:** Agile bank

### Prioritized Features List with Effort and Risk Estimates:

Sl.No	Feature	Priority	Effort	Risk
1.	Login	Critical	High	Medium
4.	Transportation Feature	Critical	Medium	Medium
8.	Agile Bank	Critical	High	High
7.	Payment for selected options	Important	High	Medium
<b>BASELINE</b>				
6.	Booking for train	Important	High	Medium
2.	Modes of travel	Useful	Medium	Low
3.	Tourism	Useful	Low	Medium
5.	Ordering of food	Useful	Low	High

## 6. OTHER PRODUCT REQUIREMENTS

### 6.1 Applicable Standards

The system must comply with existing standards.

### 6.2 System Requirements

### 6.2.1 SYSTEM OBJECTIVES

**Improvement in Control and performance:** The system is developed to cope up with current issues and problems of the metro rail. The system helps to recharge online, make a complaint online, display metro timetable, fares and route maps.

**Saves time:** User is able to recharge online, see details of metro time table, fares & route maps and even the user can book online there by saving his valuable time.

**Easy to Use:** A person with just an internet connection and a pc can do things such as complaint, recharge and view metro details very easily.

### 6.2.2 NON-FUNCTIONAL REQUIREMENTS

#### EFFICIENCY REQUIREMENT

When a metro rail management system will be implemented then the **user can recharge, complaint and view metro information quickly & easily.**

#### RELIABILITY REQUIREMENT

The system should accurately perform recharge, store complaints, **shows the details of metro such as plans, fare, route maps.**

#### USABILITY REQUIREMENT

The system is designed for a user-friendly environment so that **user and admin can perform various tasks easily and in an effective way.**

#### IMPLEMENTATION REQUIREMENT

In implementing whole system, it **uses html in front end with jsp as server-side scripting language** which will be used for **database connectivity** and the backend i.e. the database part is developed

### 6.2.3 Environmental Requirements

None specified.



## 6.3 SOFTWARE AND HARDWARE REQUIREMENTS

### 6.3.1 SOFTWARE REQUIREMENTS

- **Operating system** - Windows 7 is used as the operating system as it is stable and supports more features and is more user friendly
- **Database MYSQL** - MYSQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.
- **Development tools and Programming language** - HTML is used to write the whole code and develop webpages with CSS, java script for styling work and php for sever side scripting.

### 6.3.2 HARDWARE REQUIREMENTS

- **INTEL CORE I3 2<sup>ND</sup> GENERATION** is used as a processor because it is fast than other processors an provide reliable and stable and we can run our pc for long time. By using this processor, we can keep on developing our project without any worries.
- **RAM 1 GB** is used as it will provide fast reading and writing capabilities and will in turn support in processing

### 6.3.3 INTERFACE REQUIREMENTS:

- Easy to navigate & Less graphics
- Display error messages and relevant dialogue boxes
- Provide high security such that no to be modified by irrelevant users
- It must provide all options to all users.

## **6.4 SYSTEM TOOLS**

The various system tools that will be used in developing both the frontend and the back end of the project are

### **6.4.1 FRONT END:**

JSP, HTML, CSS, JAVA SCRIPTS are utilized to implement the frontend.

#### **Java Server Pages (JSP)**

Different pages in the applications are designed using jsp. A Java Server Pages component is a type of Java servlet that is designed to fulfil the role of a user interface for a Java web application. Web developers write JSPs as text files that combine HTML or XHTML code, XML elements, and embedded JSP actions and commands. Using JSP, one can collect input from users through web page.

#### **HTML (Hyper Text Markup Language)**

HTML is a syntax used to format a text document on the web.

#### **CSS (Cascading Style Sheets)**

CSS is a style sheet language used for describing the look and formatting of a document written in a markup language.

#### **Java Script**

JS is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed.

## 6.4.2 BACK END

The back end is implemented using MySQL which is used to design the databases.

### MySQL

MySQL is the world's second most widely used open-source relational database management system (RDBMS). The SQL phrase stands for Structured Query Language.

### XAMPP SERVER

XAMPP helps a local host or server to test its website and clients via computers and laptops before releasing it to the main server.

It is a platform that furnishes a suitable environment to test and verify the working of projects based on Apache, Perl, MySQL database, and PHP through the system of the host itself.

### PHP

PHP (Hypertext Preprocessor) is known as a general-purpose scripting language that can be used to develop dynamic and interactive websites. It was among the first server-side languages that could be embedded into HTML, making it easier to add functionality to web pages without needing to call external files for data.

### FRAMEWORKS

**Server-side:** The architecture of a server-side web framework enables the creation of landings, simple pages, and forms of different kinds. They can render output data and enhance security at the time of web attacks.

**Client-side:** With a client-side framework, you can easily enhance and execute a new user interface. It considers the work that takes place in the browser and has nothing to do with business logic.

## **7. Documentation Requirements**

### **7.1 User Manual**

A short user manual will be provided with the application.

### **7.2 Online Help**

Users can contact with the admin through provided helpline numbers or through contact page of the website

## **8. Glossary**

NONE

-----THE END-----