Software Requirements Specification

For

BookMyEvent

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

The purpose of **Software Requirements Specification (SRS) document** is to describe the external behavior of the E-ticketing platform. Requirements Specification defines and describes the operations, interfaces, performance, and quality assurance requirements of the E-ticketing platform. It also describes the design constraints that are to be considered when the system is to be designed, and other factors necessary to provide a complete and comprehensive description of the requirements for the software. The SRS captures the complete software requirements for the system, or a portion of the system.

1.2 Project Scope

- *The web application enables the user to book an event ticket from home.*
- *The list of Events happening in the city will be displayed to the user. User should select an event and able to book tickets.*
- *It provides an interface between event organizers and audience.*
- *It allows the user to select the city, no. of tickets and to choose different payment methods.*
- *New events will be pre notified to the users whomever signed in with our web application.*

1.3 References

- [IEEE] The applicable IEEE standards are published in “IEEE Standards Collection,” 2001 edition.

1.4 Definitions, Acronyms and Abbreviations

- Provided wherever necessary in the document.

2. Overall Description

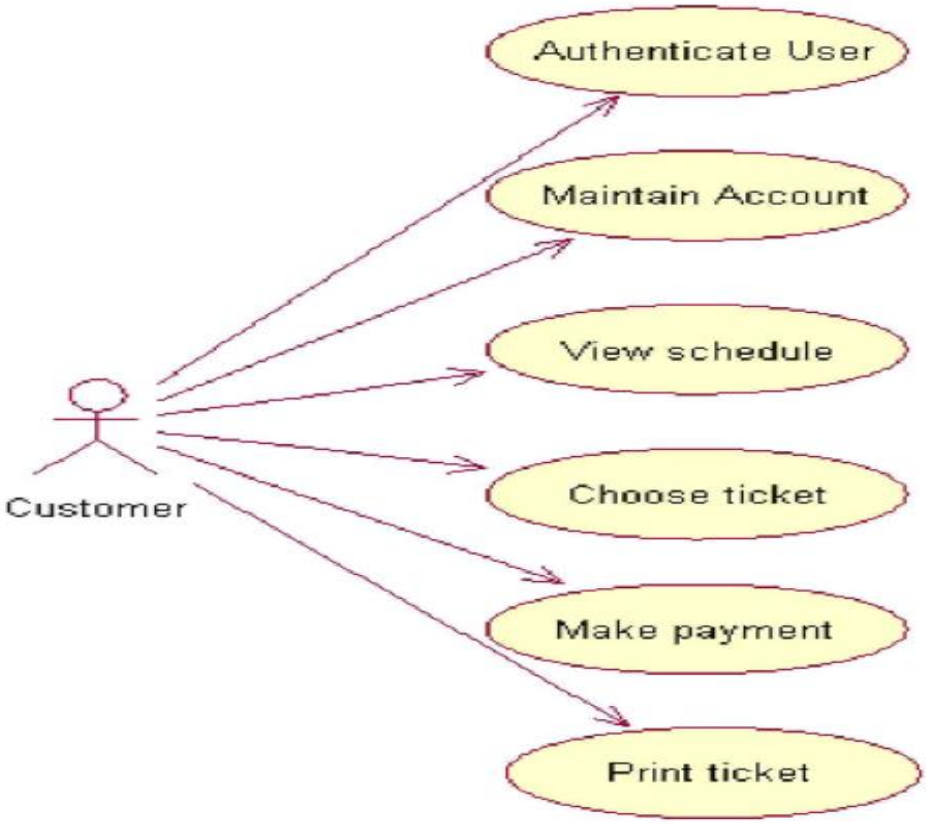
2.1 Product Perspective

The BookMyEvent ticketing platform helps the event organizers to sell their event tickets online.
Our product helps the audience to view and book the events they wish to see. Our product acts like a bridge between audience and event organizers benefitting both. So event organizers doesn't need to worry about selling their tickets as our product will do it at ease and attract the audience across the country.

The product to be developed has interactions with the users: Event Organizers and Audience.
The product has to interact with other systems like: Data Base, various plugins.

2.2 Product Features

- BookMyEvent enables the user to book an event ticket from home.
- The list of Events happening in the city will be displayed to the user. User should select an event and able to book tickets.
- It provides an interface between event organizers and audience.
- It allows the user to select the city, no. of tickets and to choose different payment methods.
- New events will be pre notified to the users whomever signed in with our web application.



2.3 User Classes and Characteristics

- **End Users/consumers:**
  - End users should have a basic idea about computer operations and internet usage.
- **Event organizers:**
  - Event organizers should have a basic idea about computer operations and internet usage.
  - They should know how the payment system works.
- **Admins:**
  - They will be responsible for support and help.

2.4 Operating Environment

- Our product initially operates as web page that's supported by web browsers like Google Chrome, Mozilla Firefox and Safari.

- The operating software must be Windows (version 10 or above), Ubuntu (version 18+) and MACOS.

- In future the web application may be developed into mobile application and the platform on which the app operates must be android(version 10 or above) or IOS(version 12 or above)

2.5 Design and Implementation Constraints

- The users must have their correct usernames and passwords to enter into the website
- The information provided by the event organizer should be authentic.
- Immediate response to user queries is difficult to handle.

2.6 Assumptions and Dependencies

- End users should have basic knowledge about basic computer operations.
- All necessary software is available to develop our project.
- Organizers should have the system requirements we specified.
- The server load should be minimum.
- The user interface of our product is simple and understandable to all the users and organizers irrespective of their knowledge on computer basics.

3. System Features and requirements

This section provides requirement overview of the system. Various functional modules that can be implemented by the system are:

3.1 Functional Requirements

- **Log In Function**

The customer log in to the system by entering valid user id and password for the shopping.

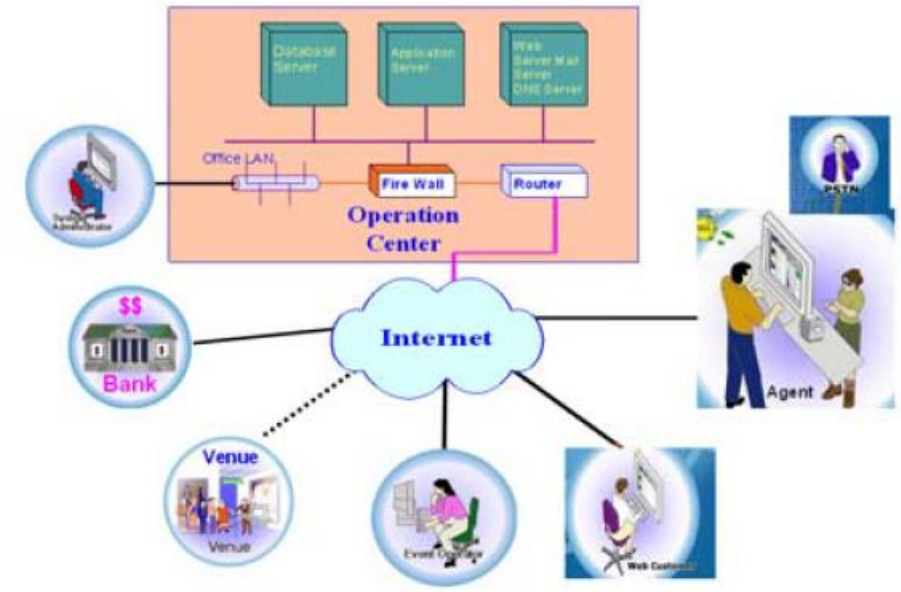
- **Post a event**
  `The event organizers should be able to post their event in our platform which can be viewed by everyone

- **Getting event info**
  The users should be able to view the event post and should be able to book a ticket.

- **Booking ticket**
  After the user decides to book a ticket, He/she will be redirected to the payment's page after filling out the required details.

- **Ticket confirmation**
  After booking a ticket, the user should be redirected to the ticket confirmation page.

- **Logout**
  After booking and viewing the ticket, the user can log out of their account.



3.2 External Interface Requirements

- ### Hardware Interface

  The System must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g. Modem, WAN – LAN, Ethernet Cross-Cable.

- ### Software Interface

  The system is on server so it requires the any scripting language like PHP etc. The system require Data Base also for the store the any transaction of the system like MYSQL etc. system also require DNS(domain name space) for the naming on the internet. At the last user need web browser for interact with the system.

- **Performance Requirement**
  There is no performance requirement in this system because the server request and response is depended on the end user internet connection.

- **Design Constrain**
  The system shall be built using a standard web page development tool that conforms to Microsoft's GUI standards like HTML, XML etc.

3.3 Nonfunctional Requirements

- **Security**
  The system use SSL (secured socket layer) in all transactions that include any confidential customer information.
  The system must automatically log out all customers after a period of inactivity.
  The system should not leave any cookies on the customer's computer containing the user's password.
  The system's back-end servers shall only be accessible to authenticated administrators.
  Sensitive data will be encrypted before being sent over insecure connections like the internet.

- **Reliability**
  The system provides storage of all databases on redundant computers with automatic switchover.
  The reliability of the overall program depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes.
  Thus the overall stability of the system depends on the stability of container and its underlying operating system.

- **Availability**

The system should be available at all times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs. In case of a of a hardware failure or database corruption, a replacement page will be shown. Also in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24 X 7 availability.

- **Maintainability**
  A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the program will be done. Also the software design is being done with modularity in mind so that maintainability can be done efficiently.

- **Portability**
  The application is HTML and scripting language based. So The end-user part is fully portable and any system using any web browser should be able to use the features of the system, including any hardware platform that is available or will be available in the future. An end-user is use this system on any OS; either it is Windows or Linux. The system shall run on PC, Laptops, and PDA etc.

4. SUPPORT INFORMATION

The use-case storyboards or the user-interface prototypes are not available. In the future this system will be updated to allow workers of larger scale corporate companies for use.