Software Requirements Specification

For

Centralized Web portal for Event Management

Version 1.0 approved

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1. Introduction

1.1 Purpose

The goal of this document is to provide support in the centralized portal for event management project. It will attempt to explain the functionality of the program and the feature it provide. Note it will not fully describe how the application works or how the users use it.

1.2 Intended Audience and Reading Suggestions

This software requirement document is intended for:

- Developer who can review project's capabilities and more easily understand where their effort should be targeted to improve or add more features to it (design and code the application -it sets the guidelines for the development).

-Project tester can use this document as a base for their testing strategy as some bugs are easier to find using a requirement document. This way testing become more methodically organized.

- End user of this application who wish to read about what this project can do.

1.3 Definitions, Acronyms, and abbreviations Acronyms

Package: All Items and Services with all there attribute and quantity grouped together for the single event, selected by the user.
Item: Single Service which user want. e.g.:- Food, Venue, Music etc.
Customers: Anyone who want to throw an event. As they can search all the event manager
Make a choice as per their need and requirement.
Event manager: *The person who is responsible for organizing party.*
HTTP: Hypertext transfer protocol

1.3 Product Scope

Our application scope is to elevate the business of existing small and large firms, but also to provide a head start to new managers/firms which are entering the market. Where they can get their customers, provide services to them and maintain business.

As customer aspect, to provide them a plate-form where they search different event manager and customized their requirement as per there need and budget. In all it will be helpful for both.

1.5 Reference

- W3school.com.
- https://developer.mozilla.org/bm/docs/Web/JavaScript

- https://angular.io/docs
- *YouTube Channels:-Firebase, techsith, Academind.*
- Git Hub Repository:- *https://github.com/leonardomso/33-js-concepts*

2. Overall Description

2.1 Product Perspective

The product is supposed to be an open source. It is a web based system. The centralized web portal for Event management allow users to search on basis of their requirement.

2.2 Product Functions

- User account -The system allows the user to create their accounts.
- Event tabs - to navigate user as per their need.
- Date section- user have to select the date of the event (when user want to have that event).
- Filters-
    - ◆ Low to high
    - ◆ High to low
    - ◆ Rating
- Selection of different vendor as per their choice made above.
- User can customize their cart as per their requirement.
- Finally can place an order.
- Event manager account -The system allows the user to create their accounts.(then verification will be done manually).
- Access will be given to event manager.
- Daily update will be done by event manager.
- It can customize the service list.
- Cart-that will show no of event that receive according to date.

2.3 User Classes and Characteristics

User - Anyone who want to throw an event. As they can search all the event manager can make a choice as per their need and requirement

Event manager- who want to expand their business in emerging era.so that.

2.4 Operating Environment

It can be used on Firefox, Chrome, and Safari.

2.5 Design and Implementation Constraints

Each user must keep their password confidential. More over the user must have individual ID for login on the application.
Event manager will be verified physically, after that only their tabs will be displayed in customer UI.

Event manager will be displayed in search result if they are available on user selected date.

2.6   Page Routing Diagram

2.6.1 Customer Page Routing Diagram
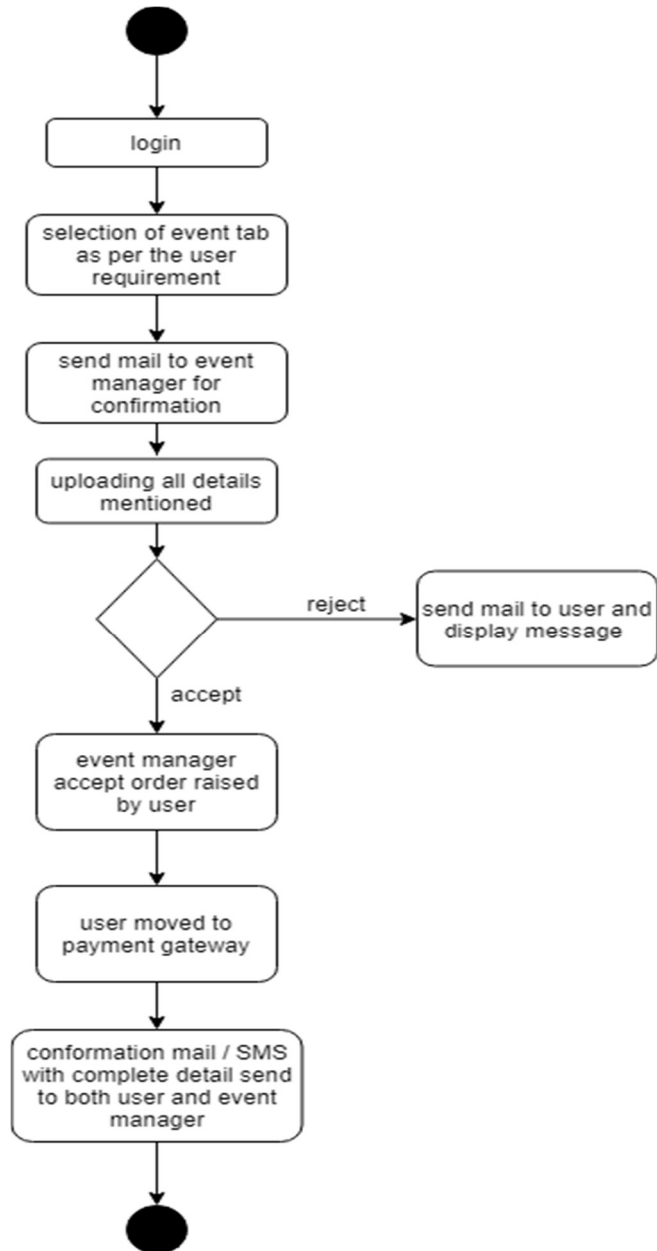
2.6.2 Event Manager Page Routing Diagram
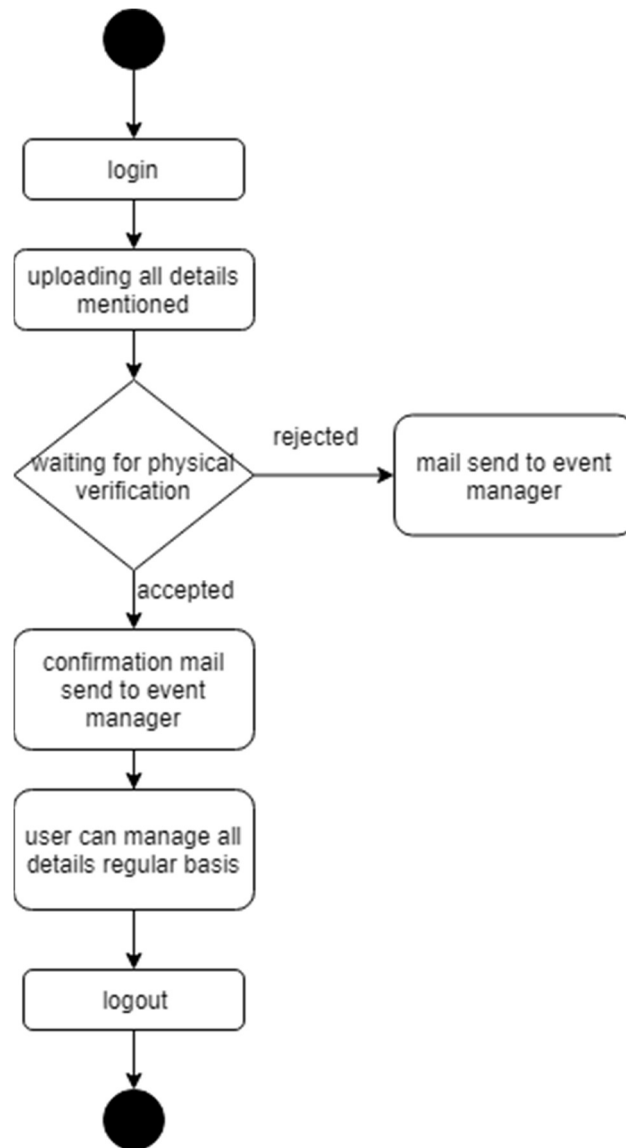
2.7   Assumptions and Dependencies

- Each User must have a User ID and password.
- Each event manager must have user id and password.
- There is only one Administrator.
- Database server should not be down (firebase).
- Internet connection is must.
- Firefox or Internet Explorer 9 should be installed.

3.   External Interface Requirements

3.1   User Interfaces

- Login Screen: This is for the Customer to get into the application. It requires a user name and password.
- Account Details: This shows the account status of the current user with the previous order history.
- New Registrations: This utility is to create new users or clients in the application.
- Event tab to make section as per there requirement.
- List of vendor will appear as per the search made and user can select any one as per their choice.
- User can customize their list of requirement.
- It will be added to cart and order can be place.
- Then user will be asked to make payment.

3.2   Hardware Interfaces

As the Application will run on Cloud Network, So there will be no physical server that has to be installed. The Application will run as Software as a service (SaaS) on the cloud.

3.3   Software Interfaces

As Web Application only needs the browser so it can work any modern Machine which can at least run browser instance on it.
And Browser must have JavaScript engine in it and caching capability.

Still Some Basic minimum Requirement are needed on a client machine:

Intel i3 3rd generation or AMD A6 **(Or Above)**
1 GB Ram **(Or Above)**
2 GB Free Storage **(Or Above)**

As the application cache and local storage to store some frequently required information which can directly fetched from the clients local storage.

3.4   Communications Interfaces

- As all the modern browser supports HTTP and capable of sending all types of HTTP request to the servers. Like get, post, put, delete etc.
- The Client machine should have the at least 2 Mbps Internet connection for smooth functioning of the Application, which is quite often these and readily available.

4. **Application Features**

4.1. Login/sign up

4.2. User's location detection (permission)

4.3. Tabs
(For different events):
- Birthday
- Decoration
- Music
- Catering etc.

4.4. Filters:
Filter will be there to make search easy, like:-
- sorting: - low to high (price)
    - High to low (price)
    - Rating (low to high), (high to low)
- trending (popular vendors in among customer

4.5. After Selection of the Vendor as per the search.
I. Birthday
- All vendors Related to the birthday in Form of Tabular List be displayed.
- With Vendor name.
- Vendor Average customer rating
- Brief Description

II. Corporate Meetings
- All the vendors Related to the Meeting in Form of Tabular List be displayed.
- With Vendor name.
- Vendor Average customer rating
- Brief Description

III. Music events
- All the vendors Related to the Music event in Form of Tabular List be displayed.
- With Vendor name.
- Vendor Average customer rating
- Brief Description

4.6. On selecting any vendor of customer's choice.

4.6.1. Birthday (On Selection)

Inputs from the user.
- Number of People Attending event.
- Date of Events --> (Filter)
- Birthday Age group ---> Child , Teenager, Adult or Elder (Filter)
- Birthday Cake --> Size and Design
- Food --> Veg or Non Veg
    - Price for every item
    - Price Per plate
    - Total Amount of Catering
- Decoration
- Area per square meter
- Items Displayed:-
    - Balloon
    - Flowers
    - Fairy lights
    - Lights
    - Music System

- Different theme base decoration Images will be displayed with theirPrice, (on selection). The quoted amount will be added to the cart.
- Total Amount will be calculated according to the selected items.
- Coupon for discount, First Time user.
- User will be asked to login if not.
- Checkout to the Payment gateway

4.6.2. Corporate Meetings (on selection)
Inputs from the user.
i. Total number of People.
ii. Venues based on Number of People.
iii. Food Service will be provided as per the displayed Menu.
The total amount of items and price will decide the price per plate.
So that user can make custom selection and under their budget.
Output Displayed
- All the selected Items will be added to the cart.
  (Price will be calculated and added).
- Even after adding the items to cart the Items are editable and customization can bemade.
    -User will be asked to login if not.
    -Checkout to the Payment gateway

4.6.3. Music Events & Gigs (on selection)
Inputs from the user.

i. Total Crowd
ii. Date of the venue
iii. Venue of the events (Available)
iv. Sound Gears

- Audio Interfaces and Equalizers (16 channel 24 Channel)
- Speakers and Towers
- Monitors
- Microphones
    - o Dynamic mics
    - o Condenser mics
- Drum Kits (5 Piece, 7 Piece)
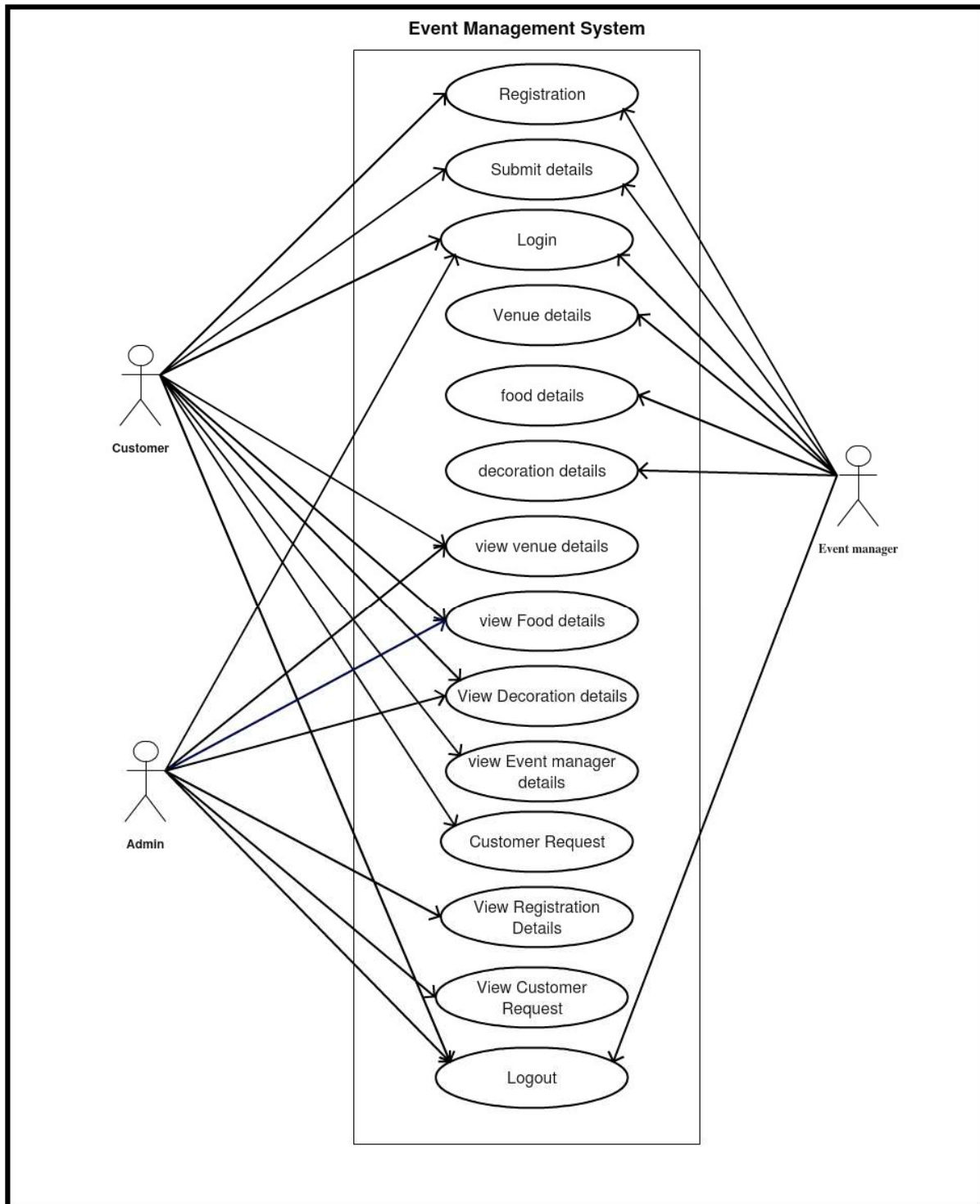
Output Displayed-
- Item and their quantity will be selected. -->added to cart.
        (Price will be calculated and added).
- User will be asked to login if not.
- Checkout to the Payment gateway

There will be profile section that will contain
- User detail.
- History(last order history)
- Logout

5. UML Diagram

5.1 Use case diagram

6.   Other Nonfunctional Requirements

6.1 Performance Requirements

1.   The system need to be reliable.
2.   If unable to process the request then appropriate error message.
3.   Web pages are loaded with in seconds.

6.2 Safety Requirements

1.   The details need to be maintained properly.
2.   Users must be authenticated.
3.   The database must be kept backed up.

6.3 Security Requirements

- After entering the user id and password the user can access his profile as well as vendor profile.
- The details of the user and vendors must be safe and secure.
- Sharing of details of vendors.

6.4 Software Quality Attributes

- Correct information must be entered into the system to prevent mismanaged conflicts to occur.
- Periodic monitoring of the system must be done.

7. Other Requirements

- Man power is required for physical verification of event managers.