SOFTWARE PROJECT MANAGEMENT PLAN (SPMP)

Project Name: Centralized Web Portal for Event Management

Institute: Centre for Development of Advance Computing

Course: PG-DAC

Project Manager: Karthika V

Start Date - 20/12/2018

Introduction

Centralised web services for business between Event manager/firms and customers for managing various events. The events include Birthday parties, Weddings, Music events, Corporate meeting. There is no such online platform where event managers come together on a single platform and render their services. This project provides the facility of online event management services.

The project emphasize on elevate the business of different minor and major event Managers and bringing it online so that the services that they provide can be made available to available to the customer visiting our portal.

Looking from the aspect of the customer it would be very easy for them come and visit a single website and look through the different services without any hassle and talking to multiple event managers.

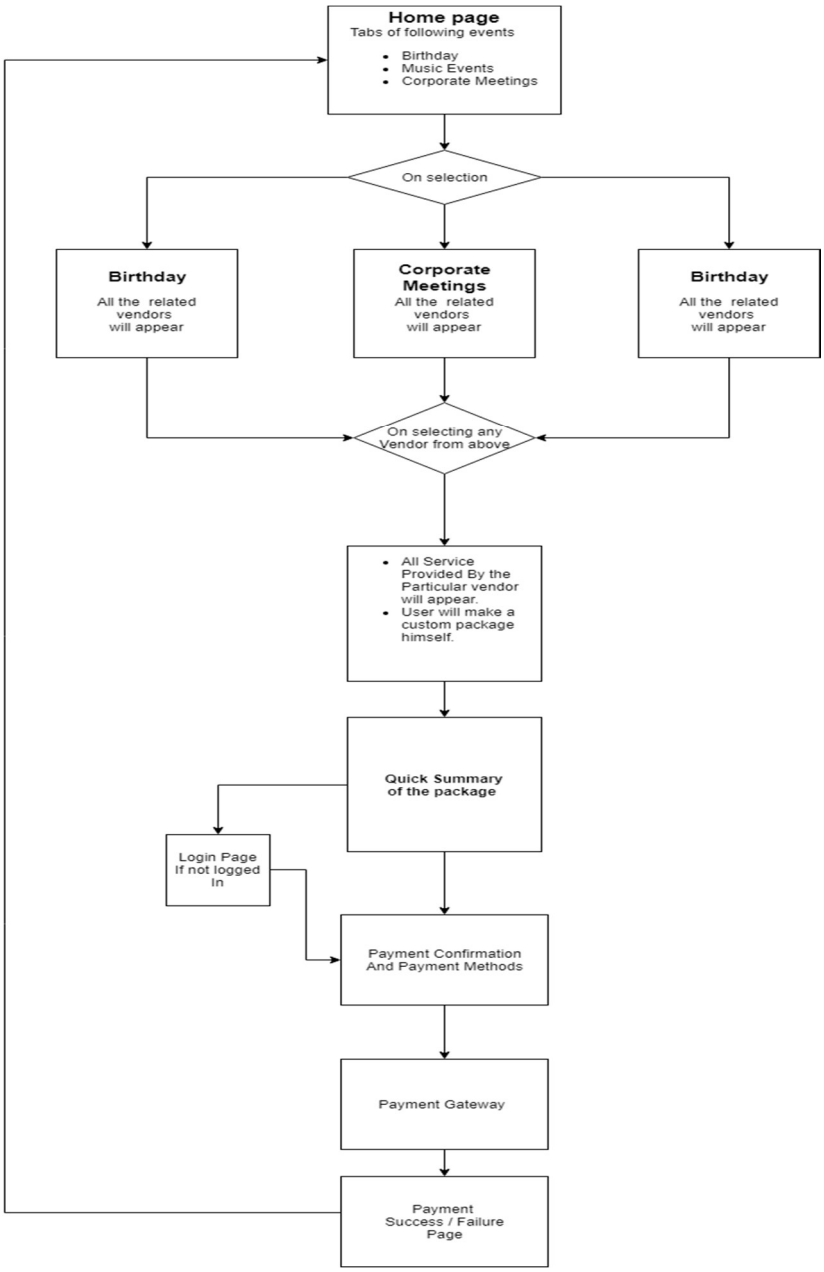
Scope and complexity estimate

As the website is being designed as the Single Page Application (SPA) so technically there would be only one Page but the different routings will be provided on the same Page that would that would lead to different section and state of the application without reloading, apart from the redirection to payment gateways and login page.

As there will be two User Interface.

1. **Customer User Interface (Primary)**
   All Customer who want to take service will follow the URL to open up this Interface which lead to Homepage
   I. Homepage (root page) - This page will open up whenever a user will follow the root link of the website. This will lead to the different event tabs.
   II. Event Specific Page. Where all the vendors related to the event will be displayed and user can select see different vendors , there average customer rating , name and description.

III. Distinct vendor Tab – On selecting a particular vendor the All the services offered will be displayed and user can select the services.
IV. After selecting and making a custom the user will be routed the login page if not already logged in.
V. Payment Confirmation Page
VI. Payment gateway
VII. Payment Success/ Failure Page



1.1 Page Routing Diagram

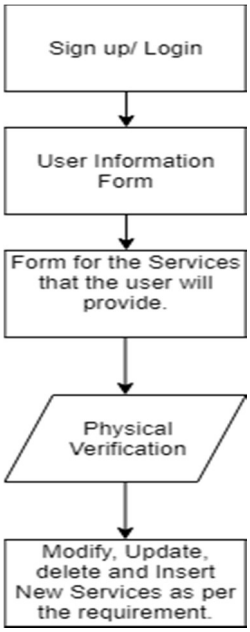
So there will be 7 routes on any event selection. AS we are focusing on the three types of events there will be total 21 routes and 1 homepage.

So the total number Routes and Pages = 21 routes + 1 homepage + 1 payment Gateway

Total routes and pages = 23.

2. Vendor Interface

a) The user will be asked to login or sign up as required.
b) After logging in the user will be asked fill up the basic information
   i. Address.
   ii. AADHAR card Number and Image.
   iii. PAN card Number and Image.
   iv. Acceptance to the legal terms and condition.
c) The user will be asked to provide all the details about the service he provides and all the price quotation of every service.
d) After this the physical verification of the user's location and whether he is really capable of providing the service will be done by the agents and signing of all the legal documents and payment share will be explained at this stage.
e) After the successful legal signing the user can now sell his/her services to the customers.



1.2 Page Routing Diagram

Requirements

1. Sorting and Searching of the vendors based on the different criteria like.
    i. Location
    ii. Average Customer Rating
    iii. Budget
2. Making custom package of the services by taking the input from the user based on the services that vendor provides.
3. Only the available event managers on the particular date of event can get the booking. So there will be no clash of the date and vendor cannot more than the specified event that he can manage.
4. Customers can modify and update the services later on can save it log out and login again edit accordingly.
5. Vendor can modify list of services that they provide on the successful physical verification of those particular services that are newly added by him.

Scope -In

- Web Portal will be compatible with all the modern browser like Firefox, Chrome, IE above 10, Safari.
- Single Page Application so better user experience without multiple reloading of page and without routing to different pages.

Scope- Out

- Payment Gateways to be linked through APIs.
- Not compatible for mobile users.

Resource Estimate

- 1 Project Manager
- 1 Database Administrator
- 2 Client-Side Developer
- 1 Server Side Developer
- 1 Administrator-Side Developer

Milestone Schedule

S.NO	Milestone	Responsibility	Start Date	End Date
1.	Planning	Akash Bansal	01-01-2019	02-01-2019
2.	Allocation of Responsibilities	Rahul Vishwakarma	01-01-2019	03-01-2019
2.	Provide Content	Rahul Vishwakarma	01-01-2019	04-01-2019
3.	Develop Preliminary Project Plan	Akash Bansal	05-01-2019	07-01-2019
4.	Implementation	Jai Roy Choudhary	07-01-2019	26-01-2019
5.	Mid stage of Development	All members	11-01-2019	18-01-2019
6.	Make Improvements	Dipti Sinha	19-01-2019	24-01-2019
7.	Team Review and Prototype	Parveen And Akash	17-01-2019	27-01-2019
8.	Usability test	Jai Roy and Rahul	23-01-2019	27-01-2019
9.	Final Review	All Group Members	19-01-2019	28-01-2019
10.	Making Final Improvements	Rahul Vishwakarma	25-01-2019	27-01-2019
11.	Final Report	Dipti , Parveen and Jai Roy	28-01-2019	30-01-2019
12.	Maintenance	Akash Bansal and Jai Roy	30-01-2019	Till active

Roles and Responsibilities

As we are 5 group members, with time limitation, with the specific technology and field of interest we chose our domain according to the interest to work in.

Sr. No	Name	Domain	Technology
1.	Dipti Sinha	User Interface Design and User experience	HTML, SASS and JavaScript
2.	Kalyandurg Gosiya Parveen	User Interface and front end server connectivity	Angular (Typescript)
3.	Jai Roy Choudhary	Client side Design and Testing	Angular (Typescript)
4.	Akash Bansal	Database Design and DB Connections	Google Firebase (Real Time DB)
5.	Rahul Vishwakarma	Web site Design and Server-side Development	Angular CLI

Production Plan

Software Requirements for the Project

a. Visual Studio Code 1.25 or above
b. Windows 10 Operating System
c. Firebase CLI
d. Web Browsers (Firefox, Chrome)

Hardware Requirements for the Project

a. RAM – 4GB or above
b. Processor- Intel i3 4th Generation or above
c. Disk Space- minimum 30GB or above

Testing Plan

1. Angular apps test cases will be written and as the angular have good support for the testing it would be helpful to run unit test cases.
2. Moreover as the Application is deployable after every successful build on Firebase. They can be tested in real time and beta testing can be done.
3. As the beta tester will raise the bugs and maintenance of the app with reported bugs can be done and stable build can be released after fixing all the bugs.

Maintenance Requirements

1. Administrators will be held responsible for keeping the Application updated and afresh with new content to be delivered and the offer that can be consumed by the customer.
2. All the Banners and images will changed from time to time according the seasons and festivals.
3. As the application is designed to be scalable after the deployment of the successful build scalability and functionality of the application can be increased according the need that can arise according to the requirements.
4. Vendors may ask to add certain functionality according to their need. Which can be counted as the crucial requirements for application.
5. As scope of the project very vast and we are keeping is small first stable build. There more feature and functionality that can be added later after the deployment of the first stable build.