



Event Management System

Team 1

Chapter 1: Project Management and Requirements Analysis

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Project Definition:

Event Management System is planned to be a native app that makes the events information available to anyone looking to find events matching their interest and facilitates registering and participating in these events. Moreover, it provides various related services to its users where event planners can put a plan with full events details, admins can promote and organize events, and also members can view the available events to attend, sign up for them and then later provide feedback on their quality.

Project Purpose:

The purpose of this project is to create an application where users can search for events matching their interest based on the events information and their details. Users will have easy access to the information of past, present and future events. Members will be able to give their opinions by giving comments and evaluation on each event published on the system at any time. This will allow the others to know the quality of the events prior to attending them. In addition to that, this will allow the companies to manage their events more clearly and

efficiently by assigning a group of admins from their side such as event planners that lead the details of the events, event admins that take instructions from event planners to implement the promotion plan and contact members and volunteers participating in the events directly.

Project Scope:

The project is expected to be used by companies and any other groups that target their audience with events related purposes. The project will allow the users to register through their existing accounts. They will be able to share events and other users will be able to like and comment on event posts. Users will be able to provide evaluation and receive feedback on these events. Users will be able to create groups for events related to them. Users will be able to partake in organizing the event initiated by admins, volunteers and event planners. Users will be able to see the performance of events in each group.

Project Constraints :

- The project should be implemented, tested and operational before the 1st of January 2021.
- There are certain expenses that need to be covered such as the employees salaries for those who work on the project, payments for software licenses etc. So the budget should cover all these expenses. The owner of the project set a budget of \$120,000 as a spending limit .
- The target application must be a verb based application developed using Flutter language. And data stored we will use MONGO DB.
- To maintain the system, there are some policy rules to be considered for the application. The application's data should be saved locally and meet requirements of Gdpr General Data Protection Regulation because there are some European customers. The system will not allow the members to join the events with schedule conflicts.

Actor Glossary :

ACTOR	PROCESS
- Members	- Search for events
	- Send messages
	- Post comment
	- Schedule events
	- Share the event
	- Buy a ticket
	- Give Evaluation
- Admins	- Post events
	- Make announcements
	- Contacting participants
	- Create survey
- Event planner	- Add admins
	- Create events by details
- Volunteer	- Joining as volunteers
	- Contact the Admins

Non-functional Requirements:

- The user passwords must be at least 8 characters long and must include at least one of each: upper case letters, lower case letters, numbers and symbols for security reasons.
- Warn the user if they enter the wrong passwords, show an error message and if the password attempt is wrong more than 3 times, lock the accounts and send an email to the user to confirm the attempt was made by them. If the user confirms then unlock the account.
- The error rate of users to submit their payment of tickets and other details at the checkout page must not exceed 10 percent.
- Application pages update must occur in less than 2 seconds.
- Application must refresh every second for real-time changes.
- System must be running 24/7 for access by users.

Functional Requirements:

This application allows:

- Members shall display events to discuss or comment.
- Members to view his/her weekly schedule of events.
- Members shall display the list of tickets in his/her past tickets in the history.
- event planner to create groups for event related discussion or progress.
- Admins to post events on their page.
- Users can exchange messages for intercommunication.
- Users can participate in giving evaluations aimed at improving the events.
- Users able to promote the events.
- Members can buy an event ticket.
- Volunteers are able to participate in events.