

Software Requirements

Specifications

Volunteers

Team Members

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Synopsis:

In today's society, attending functions, conventions, awareness campaigns, workshops, concerts, and other events have become an integral part of our social lives.

Organizing an event is not an easy task, the hardest part is finding volunteers.

The "Volunteers app" seeks to simplify the task of organizing events by providing an easy way to find volunteers.

It is a location-based mobile application which helps a user looking to organize an event find volunteers based on the date of the event and other specifications and users looking to volunteer to find events based on location, date and other parameters.

Every user will have to create an account. After successful sign-up, login, their location will be accessed and linked to their account.

Users will be notified of any upcoming events near their location and the user can choose to volunteer or reject based on the proximity of the event, monetary rewards, his/her convenience and/or interest.

The user will also be able to organize an event by providing details like the type, location, date, time and duration. Subsequently, relevant users will be notified and they can then choose to either volunteer or not based on their interests, location and/or convenience.

This document lays out the project plan for the "Volunteers application" and provides a detailed overview of the various functional and non-functional requirements of this application.

List of Requirements:

REQID	Req. Title	Feas	Valid ?	Type	Priority	Remarks
REQ01	Download and Install the application	F	V	F	High	The user should be able to download and install the application from an application store or similar service.
REQ02	Register and Login	F	V	F	High	Every user needs to register and login. We are going to build a login system and store data in the database.
REQ03	Forgot Password	F	V	F	High	We provide a "forgot password" option to reset the credentials.
REQ04	Volunteer for events	F	V	F	High	If a user wants to volunteer, he has to enter into 'Volunteer' tab.
REQ05	Searching with filters	F	V	F	High	In 'Volunteer' tab, we will provide an option to search for events with filters.
REQ06	Google Maps	F	V	F	Moderate	We use Google Maps API to provide 'Map View' to search events.
REQ07	Register for an event	F	V	F	High	The user can select events and send a request to the host.
REQ08	My Events tab	F	V	F	High	Every user has this tab. It consists of hosting, approved, waitlisted events and their description.
REQ09	Event Description Button	F	V	F	High	'My Events' tab contains this button for all events for extra information.

REQ10	Host an event	F	V	F	High	If a user wants to host an event, they have to fill a form with necessary details.
REQ11	Receive requests	F	V	F	High	The host will get a list of volunteer requests in 'Event Description' in 'My Events' tab. He can then choose to reject, accept or put on hold.
REQ12	Sort requests	F	V	F	Moderate	The host can sort volunteers based on ratings and accept.
REQ13	Approved requests	F	V	F	High	On approval, the event will be shifted from 'waitlist' to 'approved' in 'My Events' tab.
REQ14	Chatbox	F	V	F	Low	Approved Volunteers can contact Organizer through Chat-box in 'Event Description'.
REQ15	Close entries and resume entries	F	V	F	Low	The host can close/resume entries for the event by using this button in 'My Events' tab.
REQ16	Volunteer opting out	F	V	F	High	Any volunteer can opt out of approved or waitlisted event from 'My Events' tab.
REQ17	Event cancellation by Host	F	V	F	High	The host can cancel the event in 'Event Description' in 'My Events' tab
REQ18	Rating and Reviews	F	V	F	High	After the Event, host and volunteers will rate and review each other in 'Event Description'
REQ19	Event Gallery	F	V	F	Moderate	Event photos can be uploaded by the users(both parties).
REQ20	Push Notifications	F	V	NF	Low	Notifications of any change in 'My Events' will be pushed to users.

REQ21	Friendly UI	F	V	NF	High	A friendly and Responsive UI for ease of usage.
REQ22	Feedback	F	V	NF	High	A feedback tab where users can leave their feedback and suggestions for improvement.
REQ23	About	F	V	NF	Low	A tab where it displays information about the app and the developer team.
REQ24	Refer	F	V	NF	Low	A refer button which creates a link to be shared for downloading the app.
REQ25	Follow us	F	V	NF	Low	Few buttons to redirect user to our Facebook,Instagram pages.
REQ26	Report	F	V	F	Moderate	Host/Volunteer can report a Volunteer/event/host if their actions are not legal or in accordance with our App policy.
REQ27	Profile	F	V	F	High	A section for displaying User their profile and relevant information.
REQ28	Wallet	F	V	F	High	An in-app wallet for the user to transfer money.

Requirements specifications:

ID: REQ01

TITLE: Download and Install the application.

DESC: A user should be able to download the mobile application through either an application store or a similar service on the mobile phone.

RAT: In order for the user to download the mobile application.

DEP: None.

ID: REQ02

TITLE: User registration and login - Mobile application.

DESC: Given that a user has downloaded the mobile application, the user should be able to register by giving his/her necessary details, which gets saved in the database and further will be able to log in.

RAT: In order for a user to sign up and log in on the mobile application.

DEP: REQ01.

ID: REQ03

TITLE: Forgotten password.

DESC: Given that a user has registered, the username is given access to choose “forgot password” in case he forgets his password, the further resetting instructions will be forwarded to his registered mail to update his/her credentials.

RAT: In order for a user to reset his/her password in case forgotten.

DEP: REQ01, REQ02(registration).

ID: REQ04

TITLE: Volunteer for events.

DESC: If the user wishes to participate in an event, he/she must be provided with the list of events based on their preferences.

RAT: In order for a user to participate in an event.

DEP: REQ01, REQ02.

ID: REQ05

TITLE: Searching for events based on preferences.

DESC: The list of the events happening can be sorted as per the time, rewards (if any), distance from the user.

RAT: As per user choice, events will be displayed.

DEP: REQ01, REQ02, REQ03, REQ05.

ID: REQ06

TITLE: Using Google Map API.

DESC: Displaying the Event Real-time Location to the volunteer using Google Map API.

RAT: Displaying the location of the event.

DEP: REQ01, REQ02, REQ04.

ID: REQ07

TITLE: Registration for events.

DESC: Once the user finds his interests and wants to participate, he will be given a registration form which has to be filled and submitted.

RAT: Registration form to register a spot in the event.

DEP: REQ01, REQ02, REQ04.

ID: REQ08

TITLE: My events tab.

DESC: This tab is where the user finds all the events, he/she as registered for, the status of approval and well-defined list of events he is organizing.

Attending events division

- Events field: Every event has its own field which contains its further details.
- Event name: The event name will be displayed.
- The rating of the organizer will be displayed on that particular event field.
- A button will be present against every event field to get further information

about the event.

Organizing events division

- Events field: Every event has its own field which contains its further details
- Shows the number of requests pending, number of seats left.
- A button will be present against every event field to check the requests list and

status of the participation.

RAT: Tab where using find his timeline events.

DEP: REQ01, REQ02, REQ04.

ID: REQ09

TITLE: Event description button.

DESC: Every field has its own description button against it to view further details about the event.

RAT: To get more information about the event.

DEP: REQ01, REQ02, REQ04, REQ07, REQ08.

ID: REQ10

TITLE: Host an Event.

DESC: For a person interested in hosting an event, he/she has to fill up a form providing necessary details like location, reward, number of volunteers required.

Contents of the registration form:

- The purpose of conducting the event (a description of the event).
- The total number of volunteers required.
- Reward goodies and payments.
- Duration of the event.
- Venue of the event.
- A button to publish the event for the registrations.

RAT: Method for hosting an event.

DEP: REQ01, REQ02, REQ03.

ID: REQ11**TITLE:** Receive requests.

DESC: Once the volunteer registers for the event, the respective host receives a request from the volunteer. The organizer can view these details by going to “my events tab ” under the division of “organized events “ every event will have its respective description button, which once clicked directs him to another activity where the details of all the volunteer requests are seen and he can either accept or deny the request.

RAT: To get participants list with an option to accept or deny.

DEP: REQ01, REQ02, REQ07, REQ08, REQ09, REQ10.

ID: REQ12**TITLE:** Sort requests.

DESC: The organizer will have an option to sort the received volunteering requests on the basis of their ratings. This option will be provided over the request lists and can be used. This helps the organizer to choose the volunteer with a good rating and without much effort in searching and hence, saving his/her time.

RAT: Sorting requests based on their rating for the organizer.

DEP: REQ01, REQ02, REQ08, REQ09, REQ010, REQ11.

ID: REQ13**TITLE:** Approved requests.

DESC: Once a volunteers request gets accepted the status of the request will change from “waitlist” to “accepted”.

RAT: To approve requests.

DEP: REQ01, REQ02, REQ10, REQ11.

ID: REQ14

TITLE: Chat-Box.

DESC: For a person interested in volunteering an event and wants to contact the event organizer for more details.

RAT: Platform for conversation between the event organizer and a volunteer.

DEP: REQ01, REQ02, REQ08, REQ09, REQ10, REQ11.

ID: REQ15

TITLE: Close entries and resume entries.

DESC: Once the organizer feels that he has reached his requirements he/she can stop the entries by choosing an option “close entries”. But, he will also be given privileges to again start accepting requests in case needed.

RAT: To stop and again start accepting requests whenever necessary.

DEP: REQ01, REQ02, REQ08, REQ09, REQ10, REQ11.

ID: REQ16

TITLE: Volunteer opting out.

DESC: If the volunteer wishes to cancel attending the event due to another routine, he gets an option to cancel it.

RAT: Retrieving from the event.

DEP: REQ01, REQ02, REQ07, REQ08, REQ09, REQ13.

ID: REQ17

TITLE: Event cancellation by the host.

DESC: The Event organizer is granted the freedom to cancel the event he/she hosting at any point of time with fewer steps involved.

RAT: Organizer can cancel the event he/she hosting.

DEP: REQ01, REQ02, REQ08.

ID: REQ18

TITLE: Ratings and Reviews.

DESC: After completion of the event both the volunteer and the event organizer can rate each other and can share their experience and by default, it will be 0 stars.

The event organizer will be notified to review the volunteers after the completion of the events.

RAT: Platform for sharing their opinions.

DEP: REQ01, REQ02.

ID: REQ19

TITLE: Event Gallery.

DESC: A photo gallery maintained by both the parties regarding the happenings of the event.

RAT: Platform for uploading the pics of the events.

DEP: REQ01, REQ02.

ID: REQ20

TITLE: Push Notifications.

DESC: In case of changes made on to the “MyEvents” Tab, the user will come to know about that with the help of the Push Notifications.

RAT: Lets the user know the changes made regarding the events he/she in.

DEP: REQ01, REQ02, REQ03.

ID: REQ21

TITLE: Friendly UI.

DESC: A user responsive and a friendly UI will be implemented to give the user an easy approach to the events and happenings. This UI is responsive, interactive.

RAT: To create a user responsive and interactive app for smooth usage.

DEP: REQ01, REQ02

ID: REQ22

TITLE: Feedback.

DESC: A user of the app will be given privileges to notify the developers for any suggestions and other requirements to create a more user-friendly environment.

RAT: For the suggestion for improvements.

DEP: REQ01, REQ02.

ID: REQ23

TITLE: About.

DESC: Letting the user know more about the app and the team behind its development.

RAT: An Insight of the app and the developer's team.

DEP: REQ01, REQ02.

ID: REQ24

TITLE: Refer.

DESC: Letting the user share the download link of the app with his/her friends and family.

RAT: Social marketing strategy to increase the count of the user.

DEP: REQ01, REQ02.

ID: REQ25

TITLE: Follow Us.

DESC: Gives the user to follow the developers on social media to keep them updated with updates.

RAT: To follow the developers on social media.

DEP: REQ01, REQ02.

ID: REQ26

TITLE: Report.

DESC: If the host feels that the volunteer's action isn't legal or his/her actions isn't according to the app's policy, then he/she can be reported. The same can be done on to the host by the volunteers. If a particular id gets a lot of reports then that it will be deactivated completely.

RAT: Reporting the events/volunteers behavior with the app for smooth functioning.

DEP: REQ01, REQ02.

ID: REQ27

TITLE: Profile.

DESC: A UI feature for displaying the user's profile and all the relevant information. The user can change his/her login credentials if he/she wishes to.

RAT: A section for showing user's details.

DEP: REQ01, REQ02.

ID: REQ28

TITLE: Wallet.

DESC: After completion of the event the organizer can award the volunteer through their wallet. Its completely optional and the money will be deposited in the volunteer's wallet.

RAT: Paying the volunteers for their help.

DEP: REQ01, REQ02, REQ10, REQ12.

Tentative List of Requirements for SPRINT 1:

For Sprint 1, basic UI of the whole app and Register and Login Database will be created. For all other tabs and requirements, only sample Interface will be designed.

REQID	Requirement
REQ01	Download and Install the application
REQ02	Register and Login (UI and database)
REQ03	Forgot Password
REQ04	Volunteer for events ('Volunteer' Tab and basic UI)
REQ05	Search Filters (Filters button)
REQ08	My Events tab ('My Events' Tab and basic UI with buttons)
REQ10	Host an Event ('Host Event' Tab and basic UI)
REQ18	Ratings and Reviews (UI)
REQ19	Event Gallery (UI)
REQ22	Feedback(UI)
REQ23	About
REQ24	Refer (UI)
REQ25	Follow us
REQ26	Report (UI)
REQ27	Profile

Member Contributions:

- A NAGA NEERAMITRA REDDY (17CO101): REQ10
- AGJA DHRUV SHAILESH KUMAR (171CO106): REQ08
- CHAITANYA KAVINDRA KUMAR PANDIYA (171CO112): REQ04, REQ05
- DHANUESH RC (171CO115): REQ02, REQ03
- J HEMANTH SAI RAM REDDY (171CO118): Main UI to maintain tabs
- K RAHUL REDDY(171CO119): REQ02, REQ03
- NIKHIL KUMAR KUMAR (171CO126): REQ08

Summary:

This document outlays the project plan for the volunteer's application starting with a synopsis of the purpose, need and general plan for the application followed by a table listing out the various requirements and their validity, feasibility and whether each requirement is a functional or a non-functional requirement. Each requirement was assigned a unique ID.

Next section comprises of a detailed overview of all the requirements along with their specifications like rationale and dependency on other requirements is provided.

This is followed by a section listing the tentative list of requirements for SPRINT 1.

And finally, each member's contribution in terms of completion of the requirements for SPRINT 1 has been explained in detail.