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# **Software Requirements Specification**

**for**

## **Festeve**

**Version 1.0 approved**

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**SPUR**

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## Revision History

Name	Date	Reason For Changes	Version

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to present description of festeve a Fest Management Application. This documents explains the functionalities of the App, explains the interfaces and features along with the constraints under which the app should operate. Documentation also lists functional and non-functional requirements of the application. The document, thereby, intends to serve as a complete guide for the understanding the work flow of the application.

## 1.2 Document Conventions

Text-Type	Font	Style	Size
Main-Heading	Times	Bold	18
Sub-Heading	Times	Bold	14
Others	Calibri	Regular	10.5

## 1.3 Intended Audience and Reading Suggestions

This project is aimed to minimize the effort in advertising for college/university fest ,by providing a common platform to advertise, communicate with fellow organizer, get registration details ,modifying the details of event on the go will decrease the headache of organizing the fest, the project is aimed for college students and organizers.

Reading Suggestions :

- a) The user may read the whole document but overall description, introduction and system features would suffice to have an insight about the project's working.
- b) The project manager should necessarily go through system features.
- c) The developer is required to read the whole document for complete knowledge of the project.
- d) The designer should specifically note down the class and use case diagram for coding.
- e) The tester must checkout code section.

## 1.4 Product Scope

### Purpose and Benefits:

This project is aimed to minimize the effort in advertising for college/university fest ,by providing a common platform to advertise, communicate with fellow organizer, get registration details ,modifying the details of event on the go will decrease the headache of organizing the fest, the project is aimed for college students and organizers.

It will be cause less clash of fest dates, free advertising of fest name and college name, in future it may help in gather more sponsors.

**Goal:**

The goal of this project is to help in easy functioning and organizing the activities of both the users and fest organisers.

**Business Strategy**

In order to make app successful we are following the freemium model to facilitate the initial growth of the app and to show the true calibre of this app to the market.

After some updates we are planning to add some paid features . Which will not affect the overall purpose of the app

## 1.5 References

This document is based on IEEE830 format and takes on references from the below mentioned sites:

IEEE830 : <http://home.agh.edu.pl/~jsw/io/IEEE830.pdf>

Sample SRS of Library Management System :

<https://www.scribd.com/document/120409579/Library-management-system-srs>

*<List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. Provide enough information so that the reader could access a copy of each reference, including title, author, version number, date, and source or location.>*

## 2. Overall Description

### 2.1 Product Perspective

The app which is in development is a replacement of some app which provide very limited functionality compared to our festeve

### 2.2 Product Functions

The focus of this project is primarily related to the management of fest and events. The features and functions provided in app are suitable for on the go management and promotion of the event

- unregistered user can also browse and search the events
- fest calendar is also visible to the unregistered user
- registering on app reveal more enhanced functionality
- The registered users can register for an event, withdraw for an event, get notifications, become a fest administrator.
- Fest administrator will be able to create a fest, modify it or cancel it. It will be able to create a registration form applicable to all set of events listed in the fest.
- The registered users can get notifications regarding the upcoming fests. The users will also be able to change the settings for notification system.
- The registered users will be provided a feature called 'Interested' for a particular fest.

## 2.3 User Classes and Characteristics

The user class for this product is segmented into three groups; one is a just a visitor who has not signed up and the other is a registered user who has signed up agreeing to the terms and conditions of the app. And the other one is administrator with enhanced functionality like creating and modifying apps. A visitor is one with limited functionality, a registered user has more functionality than visitor while the administrator is the enhanced version of these two.

## 2.4 Operating Environment

Software Requirement :

- Operating system - Windows 8.1, Linux
- Developing Environment - Android Studio
- Back-end -SQLite
- Front-end - XML
- Programming language -JAVA

Hardware Requirements:

- PC with 2GB RAM, Dual core 2.0ghz, 20GB Hard disk.(for optimal performance)
- Android Smartphone

## 2.5 Design and Implementation Constraints

The database should appropriately distinguish between the registered users and Fest Administrators so that their functionalities are not intermixed.

Till now we have come across with this point only. But the discussion and analysis is in progress and will be covered thoroughly later.

## 2.6 User Documentation

TBD

## 2.7 Assumptions and Dependencies

User need o have a android smartphone with working internet connection

# 3. External Interface Requirements

## 3.1 User Interfaces

- Front page will have options like view fest ,browse fest, sign in search events
- If the user is registered one then, several options on the top of the app will appear which include notifications,settings and browse.

- A button for side panel will also be there which will have options like view fest calendar, registered events and interested events
- Registered events option will load a new page having related information and a withdraw button.
- Interested events will load in a page having two options enroll as visitor and enroll as participant
- The rest of the main space will be filled with the 'Fest Feeds'.
- If the user is a fest administrator, then he will have additional options like create a fest, modify a fest, and cancel a fest in his side panel.

## **3.2 Hardware Interfaces**

The hardware interfaces are Internet facility with an Android device.

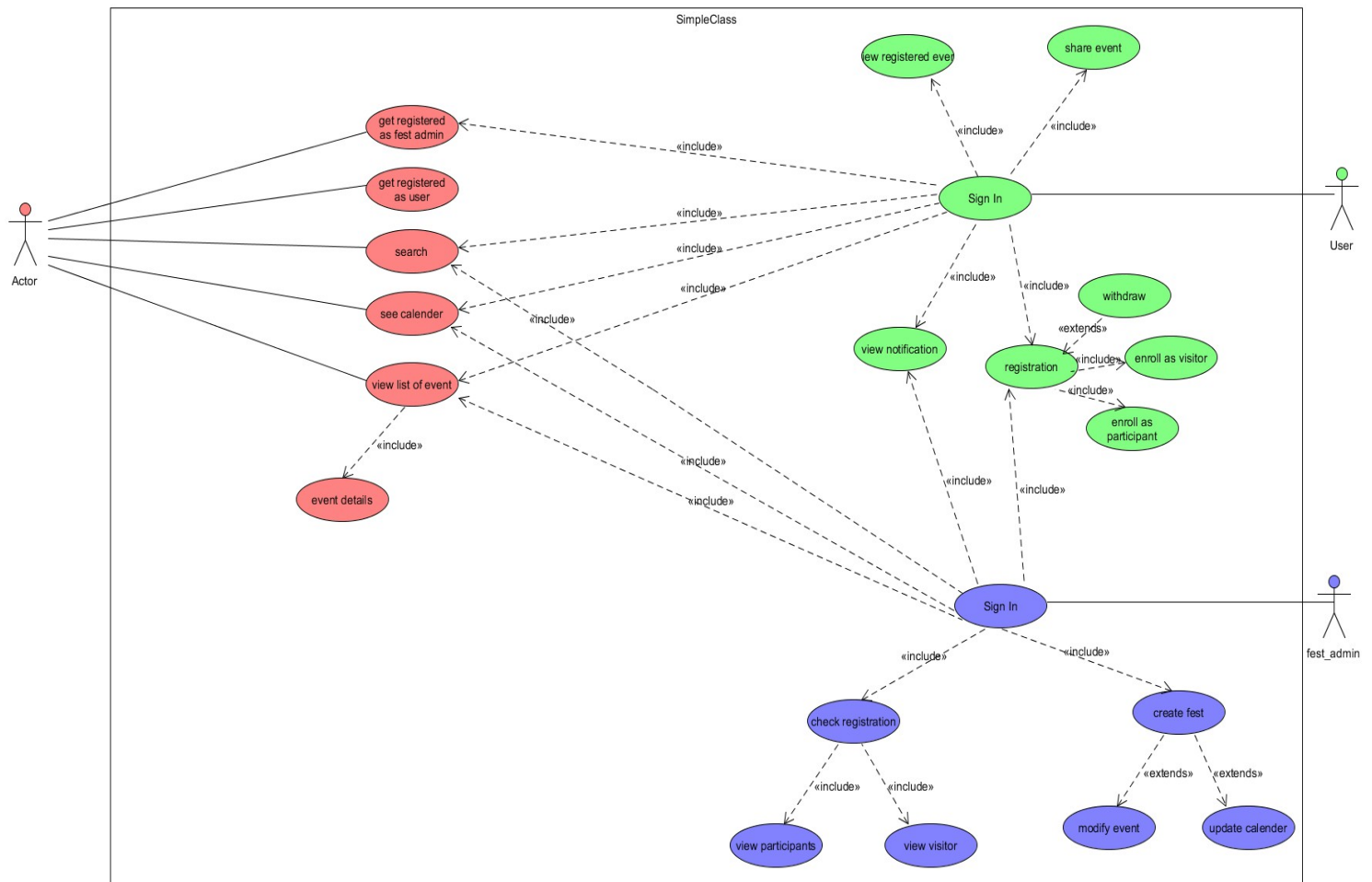
## **3.3 Software Interfaces**

TBD

## **3.4 Communication Interfaces**

TBD

# **4. System Features**



Here are the detailed features provided by the application :

## 4.1 Log In

### 4.1.1 Description and Priority

The log in feature lets a user to sign up and access all the features.

High Priority

### 4.1.2 Stimulus/Response Sequences

The user needs to fill in required details for one time sign up like name, phone number and other things. Once the fields are filled, he will be directed to a page for made for registered user having the additional functionalities. He can then do whatever he wants.

### 4.1.3 Functional Requirements

This feature should add the new entry to registered users table and unlock the features for this user group's functionality.

REQ_ID	NAME	DESCRIPTION
REQ-1	Sign in	Creates entry in registered users table in database
REQ-2		Update the database

## 4.2 Browse

### 4.2.1 Description and Priority

The browse feature lets a user to query about one or more fest details and lets him browse through the list of fests corresponding to the input entered.

Medium Priority

### 4.2.2 Stimulus/Response Sequences

The user needs to enter any fest name or college/university name as an input and the app displays the result of the corresponding fest details.

### 4.2.3 Functional Requirements

BR_ID	NAME	DESCRIPTION
BR-1	Search	Search over the database for the output to the input
BR-2	list	Organise and displays the required results fetched

## 4.3 My registered events

### 4.2.1 Description and Priority

This feature will keep record of events which are enrolled by the registered user.

Low Priority

### 4.2.2 Stimulus/Response Sequences

This is a list listing the events in which the user is currently enrolled in,

### 4.2.3 Functional Requirements



RED_ID	NAME	DESCRIPTION
RED-1	Browse	Search over the database for the output to the input
RED-2	List	Organise and displays the required results fetched

## 4.4 Share Event

### 4.2.1 Description and Priority

This feature will let user to share any fest or event over the desired social network.

Medium Priority

### 4.2.2 Stimulus/Response Sequences

The user has to choose a fest or event and then a social network on which he/she wants to share the details.

### 4.2.3 Functional Requirements

SE_ID	NAME	DESCRIPTION
SE-1	share	needs to have a connectivity with other social network
SE-2		should be work from within the app

## 4.5 Notification

### 4.2.1 Description and Priority

This feature will notify the user about events in which he is interested or he is registered .this feature will also give the notification of the fest which are in nearby area

Medium Priority

### 4.2.2 Stimulus/Response Sequences

This feature need to be enabled by the user from the settings menu,to get the notification

### 4.2.3 Functional Requirements

NOT_ID	NAME	DESCRIPTION
NOT-1	notification	search over the database for the enrolled and interested events
NOT-2	Location services	use the location services to give location based notification

## 4.6 Register

### 4.2.1 Description and Priority

The register feature lets a registered user to enroll itself in any event it is interested in.

High Priority

### 4.2.2 Stimulus/Response Sequences

The user needs to select the fest he is interested in and then click on the register button which will fetch him a form wherein he needs to fill in the required details. These details will be recorded in database and the new entry will be notified to the fest admin.

### 4.2.3 Functional Requirements

REG_ID	NAME	DESCRIPTION
REG-1	list	Fetching form of the selected fest.
REG-2	Register	After filling and confirming registration, it should display successful
REG-2	Add event	Add the event to the list of registered events.
REG-3	not_ad	Notify fest admin

## 4.7 Withdrawals

### 4.2.1 Description and Priority

This feature will let user to withdraw his registration from an registered event.

### 4.2.2 Stimulus/Response Sequences

The user needs to select the event in which he is enrolled and then touch the withdrawals button to cancel his registration

### 4.2.3 Functional Requirements

WTH_ID	NAME	DESCRIPTION
WTH-1	Sign in	Go through the database for enrolled event
WTH-2	Cancel Registration	cancel the registration
WTH-3		updating the database
WTH-3		Notify fest admin

## 4.8 Enroll as visitor

### 4.2.1 Description and Priority

This feature will give user to specify his registration as a visitor in a fest not as a participant

### 4.2.2 Stimulus/Response Sequences

The user needs to select the fest he is interested in and then click on the register button which will fetch him a form wherein he needs to fill in the required details and then click on the visitor button. These details will be recorded in database and the new entry will be notified to the fest admin.

### 4.2.3 Functional Requirements

EV_ID	NAME	DESCRIPTION
EV-1	FETCH	Fetching form of the selected fest.
EV-2	SUCCESS	After filling and confirming registration, it should display successful
EV-3	UP_LIST	Add the event to the list of registered events.
EV-4	NOT_ADMIN	Notify fest admin

## 4.9 Enroll as Participant

### 4.2.1 Description and Priority

The register feature lets a registered user to enroll itself in any event it is interested in as a participant

High Priority

### 4.2.2 Stimulus/Response Sequences

The user needs to select the fest he is interested in and then click on the register button which will fetch him a form wherein he needs to fill in the required details and then click on participant. These details will be recorded in database and the new entry will be notified to the fest admin.

#### 4.2.3 Functional Requirements

EP_ID	NAME	DESCRIPTION
EP-1	FETCH	Fetching form of the selected fest.
EP-2	SUCCESS	After filling and confirming registration, it should display successful
EP-3	UP_LIST	Add the event to the list of registered events.
EP-4	NOT_ADMIN	Notify fest admin

## 4.10 Check registration

#### 4.2.1 Description and Priority

This feature will let the fest admins to check the registration status of fest and events,  
High Priority

#### 4.2.2 Stimulus/Response Sequences

The fest admin will open the check registration section from is menu and then he need to choose between the list he want to view, for participant he have to choose the participant section and for visitor , visitor section

#### 4.2.3 Functional Requirements

CR_ID	NAME	DESCRIPTION
CR-1	AD_LIST	Fetching form of the selected fest.
CR-2	CHECK	check for entries in database

## 4.11 View participant

#### 4.2.1 Description and Priority

This feature will give the participant registration detail to the fest admin

High Priority

#### 4.2.2 Stimulus/Response Sequences

The fest admin will open the check registration section from is menu and then he need to choose between the list he want to view, for participant he have to choose the view participant section.

#### 4.2.3 Functional Requirements

VP_ID	NAME	DESCRIPTION
VP-1	Sign in	Fetching form of the selected fest.
VP-2		going through the database
VP-3	PUB	Publish the details

## 4.12 View visitor

#### 4.2.1 Description and Priority

The register feature lets a fest admin to view the number of user registered as participant

High Priority

#### 4.2.2 Stimulus/Response Sequences

The fest admin will open the check registration section from is menu and then he need to choose between the list he want to view, for participant he have to choose the view participant section.

#### 4.2.3 Functional Requirements

VV_ID	NAME	DESCRIPTION
VV-1	LIST	Fetching form of the selected fest.
VV-2	LOOK	going through the database
VV-3	PUB	Publish the details

## 4.13 Create Fest

#### 4.2.1 Description and Priority

This feature will let fest admin to create fest and event and let them choose the cover picture for their fest , enlist the sponsors,specify the location.

#### 4.2.2 Stimulus/Response Sequences

The user needs to select the fest he is interested in and then click on the register button which will fetch him a form wherein he needs to fill in the required details. These details will be recorded in database and the new entry will be notified to the fest admin.

#### 4.2.3 Functional Requirements

CF_ID	NAME	DESCRIPTION
CF-1	Sign in	Fetching form of the selected fest.
CF-2	not_admin	After filling and confirming registration, it should display successful
CF-3	not_admin	Add the event to the list of registered events.

## 5. Other Nonfunctional Requirements

### 5.1 Performance Requirements

- The software will be development based on the concepts of OOPs.
- The performance of every function and every module should well defined and visible.
- To improve accuracy and reliability, testing must be done at each level of designing.

### 5.2 Safety Requirements

TBD

### 5.3 Security Requirements

- Proper security regarding the user data must be taken care of.
- The data should be properly recorded in users database.

### 5.4 Software Quality Attributes

All the qualities that our software carries are mentioned below :

- Availability – sdk used 16 to ensure maximum availability
- Accuracy – Location services and details will be accurate
- Reliability – software works efficiently and data
- Simple – the overall design of UI will be simple , latest material design will be used

- Low space – The software will take up less space on the systems.
- Robust
- Usability – The software has a lot to give out and hence has high usability
- Cost-effective – The software is free to be used by any user.

## 5.4 Business Rules

TBD

## 6. Other Requirements

TBD

## Appendix A: Glossary

*<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>*

## Appendix B: Analysis Models

*<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>*

## Appendix C: To Be Determined List

The sections which we didn't cover in this version of SRS are :

- 3.3
- 3.4
- 5.2
- 5.4
- 5.5
- 6