
Software Requirements Specification

for

FESTEVE

Version 1.0 approved

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SPUR

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Table of Contents

Table of Contents.....	ii
Revision History.....	ii
1. Introduction.....	1
1.1 Purpose.....	1
1.2 Document Conventions.....	1
1.3 Intended Audience and Reading Suggestions.....	1
1.4 Product Scope.....	1
1.5 References.....	1
2. Overall Description.....	2
2.1 Product Perspective.....	2
2.2 Product Functions.....	2
2.3 User Classes and Characteristics.....	2
2.4 Operating Environment.....	2
2.5 Design and Implementation Constraints.....	2
2.6 User Documentation.....	2
2.7 Assumptions and Dependencies.....	3
3. External Interface Requirements.....	3
3.1 User Interfaces.....	3
3.2 Hardware Interfaces.....	3
3.3 Software Interfaces.....	3
3.4 Communications Interfaces.....	3
4. System Features.....	4
4.1 System Feature 1.....	4
4.2 System Feature 2 (and so on).....	4
5. Other Nonfunctional Requirements.....	4
5.1 Performance Requirements.....	4
5.2 Safety Requirements.....	5
5.3 Security Requirements.....	5
5.4 Software Quality Attributes.....	5
5.5 Business Rules.....	5
6. Other Requirements.....	5
Appendix A: Glossary.....	5
Appendix B: Analysis Models.....	5
Appendix C: To Be Determined List.....	6

1. Introduction

1.1 Purpose

The purpose that this document serves is to highlight the functioning, usability, system requirements, user interface details and other necessary details about our project. The document specifies our project 'Festive' and lays down all its features.

1.2 Intended Audience and Reading Suggestions

The document is prepared for any organisation or development bodies to go through to have the complete understanding of our project which may help them in developing their own. The intended audience are :

- a) Developer: May help him in developing.
- b) Tester: Needed to know the functionalities and test accordingly.
- c) Document Writer: Helps in writing his/her SRS.
- d) Users: To make the users fully aware of the usability of the app.

1.3 Product Scope

Goal:

To have centralised platform for fest management in the country.

Business Strategy:

We have decided to follow the Free Model for our project to create a core set of user base.

1.4 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>

2. Overall Description

2.1 Product Perspective

The product being specified in this SRS is a replacement for certain existing system. The product will replace all the existing products related to this zone as the features of our app outstands them all.

2.2 Product Functions

- The customer can either sign up and get all the features of the app or he can just be a visitor with minimum basic features.
- If the user is just a visitor then he may :
 - browse
 - view fest calendar
 - view event lists
- If the user is registered one, he can access features like:
 - all functions of normal visitor
 - register for an event
 - withdraw from an event
 - get notified
 - become fest administrator
- If the user has become fest admin, then he may :
 - create fests
 - edit fests
 - cancel fests/events
 - get notified about new registrations

2.3 User Classes and Characteristics

There are two types of users for our app :

- Visitor - Just visits the app and have minimum functionalities.
- Registered user - It has all the features and can also become a fest admin and then further increases the usability.

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 2 GB RAM, Dual-core Hard disk.
- Android Smartphone

2.5 Design and Implementation Constraints

TBD

2.6 User Documentation

TBD

2.7 Assumptions and Dependencies

The app is dependent on number of college/university students where fests take place and the students are interested to go.

3. External Interface Requirements

3.1 User Interfaces

Till now we have discussed about some of the UI features and looking of our app.

This goes like this:

For registered users.

Our app's main screen will have a top panel where we will have some important icons like notification, search bar and settings option. The app will have a side panel having other features like registered events list, interested list, view fest calendar, become a fest admin and many more options. The rest of the portion will have fest feeds showing up-coming fests.

For fest admins :

the side panel will include some more features like create a fest, cancel a fest, participants list and more to be discussed.

For normal visitors :

Our app's main screen will have a search bar at the top, and a sign up button. The side panel will have options like fest list and view fest calendar options.

3.2 Hardware Interfaces

The Internet Connection will be needed to record the user data to the database so that the changes are saved.

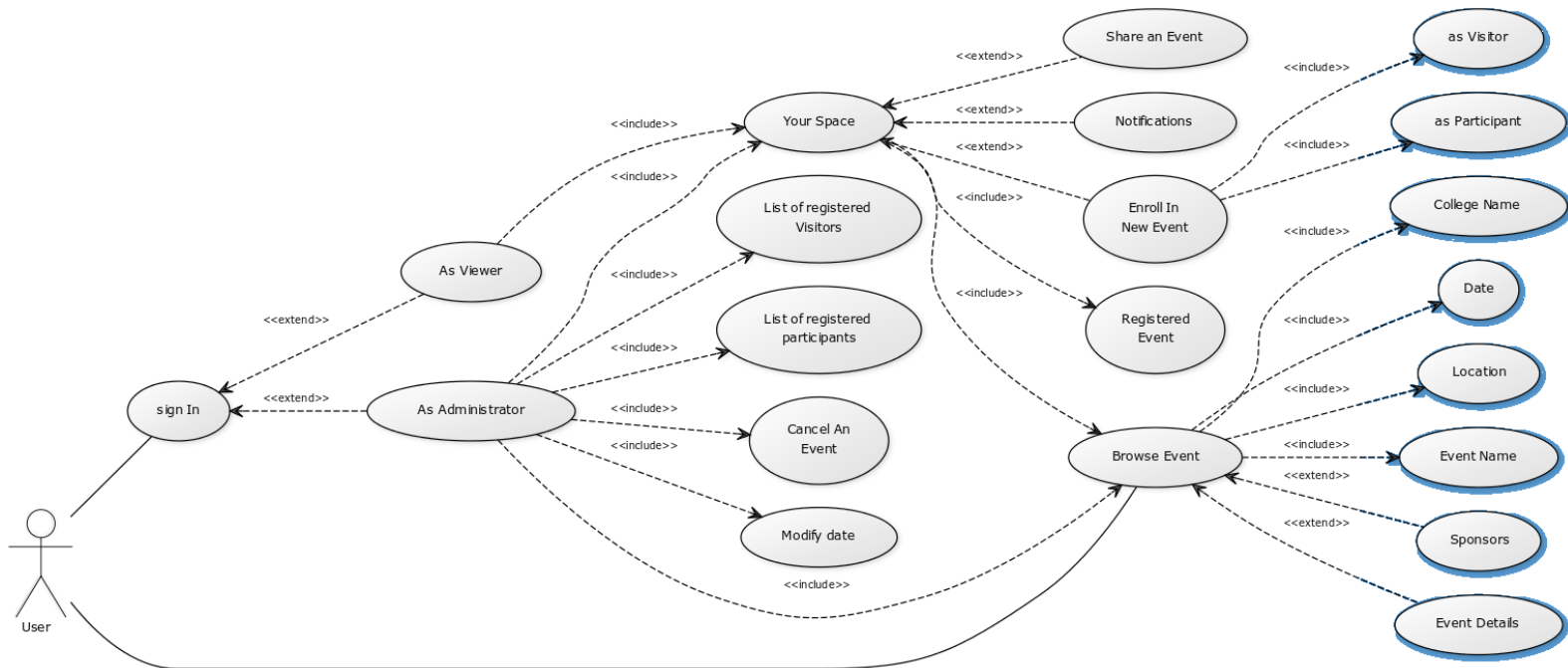
3.3 Software Interfaces

TBD

3.4 Communication Interfaces

TBD

4. System Features



4.1 Detailed features provided by the application: Sign up

4.1.1 Description and Priority

To make a single time log in.

4.1.3 Functional Requirements

REQ_ID	NAME	DESCRIPTION
RQ-1	Input	This allows the user to fill in data and information in the required field.
RQ-2	Verification	The system should verify all the inputs in the fields and if valid then store the data in database
RQ-3	Prompt	The system should display errors and mistakes to the users for correction
RQ-4	Display	The system should display acknowledgement for successful signup.

4.2 Browse

4.2.1 Description and Priority

To search for a fest through city, college or fest name.

4.2.3 Functional Requirements

REQ_ID	NAME	DESCRIPTION
RQ-5	Input	The system should specify the user that it accept only strings.
RQ-6	Search	The system should be fast and efficient in searching over the database to find appropriate result.
RQ-7	Display	The system should display the result to the user.

4.3 View Registered events

4.2.1 Description and Priority

Lest the user to view the events he has registered with all the details.

4.2.3 Functional Requirements

REQ_ID	NAME	DESCRIPTION
RQ-8	Click	To view the registered events, the option is available in the side panel of the app.
RQ-9	Load	The system fetches the information related to the user and displays it.

4.4 User Notification

4.2.1 Description and Priority

Notifies to user about new fests and their registered fests.

4.2.3 Functional Requirements

REQ_ID	NAME	DESCRIPTION
RQ-13	CC	The system checks continuously for the changes in fests table
RQ-14	Rec	The changes get recorded in the notification table.
RQ-15	Display	Displays the notification to the users.

4.5 Register

4.2.1 Description and Priority

Lets a user to register.

4.2.3 Functional Requirements

RQ_ID	NAME	DESCRIPTION
RQ-16	Sel-eve	The user must select the event he want to participate in.
RQ-17	Click register	The user should click register button for registration for the event.
RQ-18	Fill	Displays the registration form to the user.

RQ-19	Ack	Acknowledgement for the successful completion his registration to the user.
RQ-20	Add to list	The event is added to the registered event list.
RQ-21	Notif_admin	Notifies the admin about the new registration.

4.6 Withdrawals

4.2.1 Description and Priority

To let the user to withdraw from an event.

4.2.3 Functional Requirements

RQ_ID	NAME	DESCRIPTION
RQ-22	Select Fest	The user must select the fest/event to cancel.
RQ-23	Click	The user must push the withdraw button to cancel it
RQ-24	Refresh	The system then refreshes the tables and displays the changes.

4.8 Create Fest

4.2.1 Description and Priority

This feature lets the fest admins to create fests.

4.2.3 Functional Requirements

CRQ_ID	NAME	DESCRIPTION
RQ-25	Fill	Fill in the details and save the inputs in the system.
RQ-26	Make form	A form applicable for all events of the fest is to be developed by the fest admin.
RQ-27	Update	The system should update the fest table and the new fest is

		added to the fest feed of the application.
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5. Other Nonfunctional Requirements

Requirement ID	Name	Description
5.1	Performance Requirements	<ul style="list-style-type: none"> • Functions of each feature should be defined clearly. • Should be reliable to use. This can be done by testing at each level.
5.2	Safety Requirements	There are no safety requirements.
5.3	Security Requirements	<ul style="list-style-type: none"> • Security regarding the user data should be taken care of.
5.4	Software Quality Attributes	<ul style="list-style-type: none"> • Availability • Accuracy • Reliability • Usability • Cost-effective

6. Other Requirements

Not discovered till now

Appendix A: Glossary

app : application
admin : administrator
ver : verification
disp:display'

sel-eve : select event

Ack : Acknowledgement

Notif_admin : Notify administrator

Appendix B: Analysis Models

TBD

Appendix C: To Be Determined List

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

- 3.3
- 3.4
- 6