Inter-College Fest Management System

SOFTWARE REQUIREMENTS SPECIFICATIONS (SRS)

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1. <u>**Introduction**</u>

    1.1 Purpose: This SRS describes the functional and non-functional requirements of the Inter-College Fest Management System. This software is intended to manage the participants who come from other colleges to participate in our college competitions during different fests. This involves participant registration for different events conducted by the college management with entry fee transactions.

    1.2 Scope: This application consists of the following major functions:

- Participant registration for different kinds of events will be conducted by different clubs.
- Payment transactions (if any) for entry to the events.
- A confirmation mail for the registered participants shows all their details including the payment status which helps in managing the participants.

    1.3 Definitions, Acronyms, Abbreviations:

<u>Fest</u>:

A fest is short for a festival that involves gatherings devoted to a particular activity or interest.

<u>Event</u>:

An event is a planned public or social occasion.

<u>Participant</u>:

A participant is a person who comes from other colleges to take part in the home college events.

<u>Registration</u>:

Registration is an action or a process of registration or of being registered for a particular event.

<u>Transaction</u>:

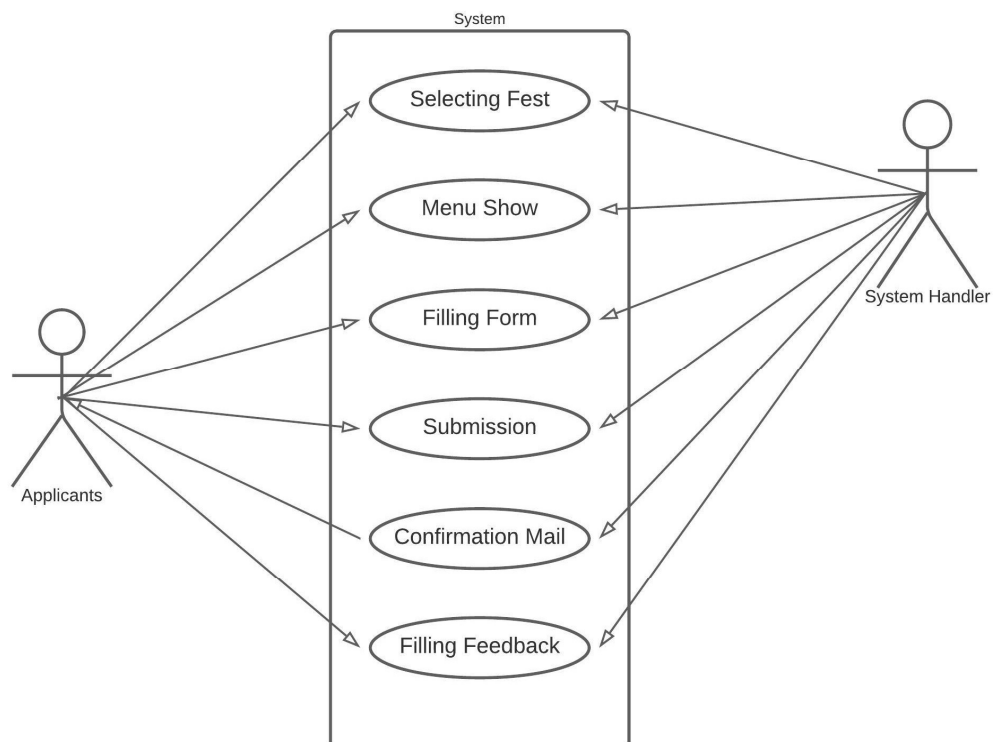Transaction is an instance of buying or selling something.

Clubs:

A club is an association dedicated to a particular interest or activity.

1.4 References:

- https://www.perforce.com/blog/alm/how-write-software-requirements-specification-srs-document
- www.lucidchart.com
- https://www.visual-paradigm.com/guide/uml-unified-modeling-language/what-is-use-case-diagram/

2. **System Description:** The Inter-College Fest Management System is a new system that replaces the current system which involves manual entry of student registration for events during fests. This is completely a digitalized version of the current system. This also involves the collection of the entry fee (if any) for the events through online mode which involves the concept of financial transparency.

2.1 Product Functions: The set of functionalities that are supported by the system are:

- Registration for events to take part in the competition.

- Make entry fee (if any) payment through online mode.

- Receive a confirmation mail which acts as an entry pass to take part in the competition.

2.2 User Characteristics:

Website Hander:

A website handler is an administrator who handles all the details of the events on the website like Fest names, Event names, Registration fees, Images, etc., and makes changes accordingly from fest to fest.

Database Handler:

A database handler is a person who handles the database linked to the system. This database can act as a checklist at the time of the event which keeps a count of the appeared participants.

2.3 General Constraints:

- This software does not allow any changes in the website except for the website and database handlers.

2.4 Assumptions and Dependencies: It is assumed that multiple registrations of the same participant will make the events append to the previous entry of the same registered participant which erases the concept of redundancy in the database. It is assumed that the banks and the officials have been permitted to make transactions through our system.

3. **System Features and Requirements:**

   3.1 Functional Requirements:

   Input:

   - Participant's Full Name

   - Participant's College Name

   - Participant's Roll Number

   - Participant's Contact Number

   - Participant's E-mail ID

   - Participant's ID proof (College ID Card .pdf/.jpg) attachment

   - Participant's selection of events to take part in

- Payment Mode (Online/Cash on spot)

<u>Processing</u>:

The Inter-College Fest Management System takes data from the input and holds all of them in the database.

<u>Output:</u>

The data collected is later sent to the participant's mail as a confirmation which acts as an entry pass at the time of the event.

<u>Error Handling</u>:

The system may fail to complete the transaction or reflect the completion of the transaction in the server if it encounters a network error.

3.2 External Interface Requirements:

<u>User Interface</u>:

- The home screen displays the ongoing fests and upcoming fests with the start date and time.
- Under each fest page, the screen displays the number of events with a register button below them.
- In the registration page, the user will be asked to fill the details of him/her and select all the events that he/she wants to take part in.

3.3 Non-Functional Requirements:

<u>Performance</u>: High level performance requires higher internet speed and bandwidth which leads to faster transaction.

<u>Availability</u>: The software system is always available with the Website Handler which means he can change data whenever there is a requirement.

<u>Security</u>: The system is secured as it is an Administrator handling system which means no other user can modify any changes in the software system which might lead to false working of the system.

Reliability: The available server must be reliable and the network connectivity near the administrator and the user should be proper for smooth flow of all operations and data.

3.4 Other Requirements: Each user has to open the registration page, and fill in with his/her details for him/her to complete the registration process with the selected mode of payment.