

# Web Tech Project

Project documentation is available at <https://drive.google.com/drive/folders/1CFxMNblwOV-mthVcRRb2gTsFxNRO7nlz?usp=sharing>

## Product Features

### User Account Management

The system shall provide user accounts management for Students working as SuperFrog and Spirit Director (superuser). The system shall provide CRUD functionalities to those user accounts.

### SuperFrog Team Management

The SuperFrog Student shall be able to view and update his own account. Use case 20.

The Spirit Director shall be able to CRUD an account for a new/existing SuperFrog Student. The system shall never physically delete a SuperFrog Student, the system can mark one SuperFrog Student as inactive. If the SuperFrog Student returns to the team, the Spirit Director can activate the old account. The Spirit Director shall be able to view SuperFrog Student roster. Use case 13, 14, 15, 16.

### SuperFrog Appearance Request Management

Customers shall be able to request a SuperFrog to appear at their event. The system shall catalogue the request into the database in a "Pending" status. Customers shall also be able to edit an existing request and cancel a request. Use case 1, 2, 3.

The Spirit Director shall review details of pending requests (mileage range, theme, date) and approve the request if the commute is within specified range of TCU and event is appropriate ("Approved"). Use case 4.

The Spirit Director shall review the pending request and reject it if there is no available SuperFrog Student at the time (e.g., during Final Exam Week), or it is too far from TCU, or the customers' event is not an approved SuperFrog appearance ("Rejected"). See <https://superfrog.tcu.edu/terms-conditions> for more rules. Use case 4 and 7.

The Spirit Director shall be able to edit a submitted appearance request after communicating with the customer through phone. Use case 8.

The Spirit Director shall be able to assign/remove a SuperFrog Student to/from an approved appearance. Use case 9, 10, 11.

The Spirit Director shall be able to cancel an approved appearance request. Use case 12.

The SuperFrog Student shall be able to view all open approved appearances. Use case 6.

The SuperFrog Student shall be able to sign up an approved appearance (One SuperFrog per appearance, FCFS). One SuperFrog cannot sign up more than one appearance per week. Use case 22.

The SuperFrog Student shall be able to cancel a signed-up appearance. Use case 23.

The SuperFrog Student shall be able to view all appearances assigned to herself or completed by herself. Use case 6.

When the appearance is done, the SuperFrog Student shall be able to modify the status of the appearance to "Finished." The Spirit Director shall receive an email confirming the completion of the appearance. Use case 24.

### Reports

The Spirit Director shall be able to generate payment requests for SuperFrog Students and pull a report of appearances for a given period of time (download as Microsoft Excel). Use case 18 and 19.

### Authentication

Before using the system, a user shall enter a valid username and password to gain access to the SuperFrog scheduling system.

The system shall let the Spirit Director create accounts for SuperFrog Students. SuperFrog Students cannot create their own account.

### Authorization

A normal user (SuperFrog Student) can only view and update her own account information.

A superuser (Spirit Director) can create, view, update, and delete others' account.

No need to work on Use case 5, 17, and 21.

### Deployment

Project (Both front end and back end) needs to be deployed to a cloud service.