**Use cases**

This section describes the use cases of different users in this project. Different users of this application are admin, fraternity member, and fraternity guard and fraternity host. Of four, admin and fraternity host are the main actors in this system.

Below are the common use cases for all the four users

**Basic User:**

**Use Case# 01: Login to app**

**Actor:**  Basic User

**Pre-Conditions:** Basic user should create the account in the application from mobile app.

**Flow of events:** Before this use case, user needs to create account. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.

**Post-conditions:** Basic User will login to the system

**Use Case#02: Edit profile**

**Actor:**  Basic User

**Pre-Conditions:** Basic user should create the account in the application from mobile app.

**Flow of events:** User can edit his profile by changing his name, mobile number, and email id and profile picture.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click edit button.
8. System will display editable profile page
9. Edit details like name, mobile number, email id and profile picture
10. Click on save button.
11. System will display an alert saying details are saved.

**Post-conditions:** Basic User will be able to edit the profile and edited profile will be displayed in the profile page.

**Use Case#03: Change password**

**Actor:**  Basic User

**Pre-Conditions:** Basic user should create the account in the application from mobile app.

**Flow of events:** User can login into the application and change his password

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click change password option in sidebar.
8. System will display change password page
9. Edit details like old password, new password, confirm password.
10. Click on save button.
11. System will display an alert saying details are saved.

**Post-conditions:** Basic User will be able to change his account password.

**Use Case#04: Logout**

**Actor:**  Basic User

**Pre-Conditions:** Basic user should create the account in the application from mobile app.

**Flow of events:** User can sign out from the application after performing user related activities.

Step by step interaction:

1. User login to app
2. Perform user related activities
3. Click on logout button
4. System will display the login screen.

**Post-conditions:** Basic User will be logged out of the application.

**Guard User:**

**Use Case# 05: Create Account**

**Actor:** Guard User

**Pre-conditions:** Guard user should open the website.

**Flow of events:** Guard user registers for the application by entering the details like first name, last name, mobile number, email id, uploading picture etc.

**Step by Step interaction:**

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Click on ‘Register as Guard’ button.
5. System will display the registration page
6. Enter all the fields
7. Click on create account button

**Post-conditions:** Account is created for the guard user

**Use Case# 06: Login to app**

**Actor:**  Guard User

**Pre-Conditions:** Guard user should create an account in the application.

**Flow of events:** Before this use case, user needs to create account. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.

**Post-conditions:** Guard User will login to the system

**Use Case#07: Edit profile**

**Actor:**  Guard User

**Pre-Conditions:** Guard user should create an account in the application.

**Flow of events:** Before this use case, user needs to create account. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click edit button.
8. System will display editable profile page
9. Edit details like name, mobile number, email id and profile picture
10. Click on save button.
11. System will display an alert saying details are saved.

**Post-conditions:** Guard User will be able to edit the profile and edited profile will be displayed in the profile page.

**Use Case#08: Change password**

**Actor:**  Guard User

**Pre-Conditions:** Guard user should create an account in the application.

**Flow of events:** Before this use case, user needs to create account. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click change password option in sidebar.
8. System will display change password page
9. Edit details like old password, new password, confirm password.
10. Click on save button.
11. System will display an alert saying details are saved.

**Post-conditions:** Guard User will be able to change his account password.

**Use Case#09: View events**

**Actor:**  Guard User

**Pre-Conditions:** Guard user should create an account in the application.

**Flow of events:** Before this use case, user needs to create account. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click ‘view events’ option in sidebar.
8. System will display View Events page
9. User can view all his assigned events.

**Post-conditions:** Guard User will be able to view his assigned events.

**Use Case#10: Logout**

**Actor:**  Guard User

**Pre-Conditions:** Guard user should create an account in the application.

**Flow of events:** Before this use case, user needs to create account. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User login to app
2. Perform user related activities
3. Click on logout button
4. System will display the login screen.

**Post-conditions:** Guard User will be logged out of the application.

**Host User:**

**Use Case# 06: Login to app (for first time)**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display additional options to enter details like temp password, subscription code etc.
7. Click save.
8. System will display the profile page.

**Post-conditions:** Host User will login to the system

**Use Case# 07: Login to app (existing user)**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.

**Post-conditions:** Host User will login to the system

**Use Case#08: Edit profile**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click edit button.
8. System will display editable profile page
9. Edit details like mobile number, email id and profile picture
10. Click on save button.
11. System will display an alert saying details are saved.

**Post-conditions:** Host User will be able to edit the profile and edited profile will be displayed in the profile page.

**Use Case#09: Change password**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click change password option in sidebar.
8. System will display change password page
9. Edit details like old password, new password, confirm password.
10. Click on save button.
11. System will display an alert saying details are saved.

**Post-conditions:** Host User will be able to change his account password.

**Use Case#09: Create events**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click ‘Create events’ option in sidebar.
8. System will display Create Events page
9. User can fill all the event details like Event name, date, time and assign guards by selecting them from the list.
10. Click Create event.
11. System will display an alert saying event has been created.
12. User can view the event in the View Events page

**Post-conditions:** Host User will be able to create events.

**Use Case#10: Change Location**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click ‘Change location’ option in sidebar.
8. System will display Change Location page
9. User can enter new address by entering address and selection auto complete option.
10. System will display the map corresponding to that address.
11. Click save.
12. System will display an alert saying details are saved.

**Post-conditions:** Host User will be able to change the location of the fraternity house.

**Use Case#11: View events**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click ‘view events’ option in sidebar.
8. System will display View Events page
9. User can view all his assigned events.
10. User can click on particular event to edit the details.
11. System will display edit events page.
12. User can edit the event details and click save.
13. System will display an alert saying details are saved.

**Post-conditions:** Host User will be able to view events and edit them if necessary.

**Use Case#12: View Members**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the profile page.
7. Click ‘Members’ option in sidebar.
8. System will display all the members in that fraternity.
9. User can delete a member.
10. System will display an alert saying member has been deleted.

**Post-conditions:** Host User will be able to view members of the fraternity and delete them if necessary.

**Use Case#13: Logout**

**Actor:**  Host User

**Pre-Conditions:** Host user should have an account created by admin in the application.

**Flow of events:** Before this use case, user should have an account created by admin. If he is an existing user, he can enter registered email id and password to login.

Step by step interaction:

1. User login to app
2. Perform user related activities
3. Click on logout button
4. System will display the login screen.

**Post-conditions:** Host User will be logged out of the application.

**Admin:**

**Use Case# 14: Login to app**

**Actor:**  Admin

**Pre-Conditions:** Admin should know his username and password.

**Flow of events:** Admin can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the Dashboard.

**Post-conditions:** Admin will login to the system.

**Use Case# 15: View dashboard**

**Actor:**  Admin

**Pre-Conditions:** Admin should know his username and password.

**Flow of events:** Admin can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the Dashboard.
7. User can view details on the dashboard like number of new customers, existing customers subscription details etc.

**Post-conditions:** Admin can able to view the dashboard.

**Use Case# 16: Add Customer**

**Actor:**  Admin

**Pre-Conditions:** Admin should know his username and password.

**Flow of events:** Admin can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the Dashboard.
7. Click ‘Add customer’ option in sidebar.
8. System will display a form.
9. User should enter details of new fraternity like Fraternity name, Chapter name, House address, username, email, mobile number etc.
10. Click on save.
11. System will display an Acknowledgement page with all the entered fraternity details.
12. Click on send information button. Details will be send to the host user via email

**Post-conditions:** Admin can able to add a Customer.

**Use Case# 16: View Customer**

**Actor:**  Admin

**Pre-Conditions:** Admin should know his username and password.

**Flow of events:** Admin can enter registered email id and password to login.

Step by step interaction:

1. User launches the website
2. Application will display the launch screen.
3. User navigates to login page by clicking login button.
4. Enter email id and password
5. Click on login button
6. System will display the Dashboard.
7. Click ‘View customer’ option in sidebar.
8. System will display a list of customers with details.
9. User should either suspend or activate a customer.

**Post-conditions:** Admin can view customers and edit their subscription status.

**Use Case#17: Logout**

**Actor:**  Admin

**Pre-Conditions:** Admin should know his username and password.

**Flow of events:** Admin can enter registered email id and password to login.

Step by step interaction:

1. User login to app
2. Perform user related activities
3. Click on logout button
4. System will display the login screen.

**Post-conditions:** Admin will be logged out of the application.

**Guest user: (Homepage)**

**Use Case#18: Request a quote**

**Actor:**  Guest

**Pre-Conditions:** Guest should have an email id.

**Flow of events:** Guest can enter his email id and name to request a quote.

Step by step interaction:

1. User launches the website
2. System will display the Home screen.
3. User enters his name and email id in the fields available in the form.
4. Click request a quote.
5. A quote will be send to the user via email

**Post-conditions:** Guest user will be able to request a quote.

**Use Case#19: Download the mobile app**

**Actor:**  Guest

**Pre-Conditions:** Guest should open the website.

**Flow of events:** Guest can open the download page and download the mobile app.

Step by step interaction:

1. User launches the website
2. System will display the Home screen.
3. User clicks on Download now link.
4. System will display a new page with download links.
5. User clicks on download.
6. App will be downloaded in mobile based on the OS

**Post-conditions:** Guest user will be able to download the app.

**Use Case#20: Navbar content**

**Actor:**  Guest

**Pre-Conditions:** Guest should open the website.

**Flow of events:** Guest can view the details about the website.

Step by step interaction:

1. User launches the website
2. System will display the Home screen.
3. User can click on FAQ, How it works, about us and Contact us links in the navbar.
4. Respective pages will be displayed.
5. User can view the details.

**Post-conditions:** Guest user will be able to view the details about the application.