

Primary Actors

User
System Administrator
Businesses

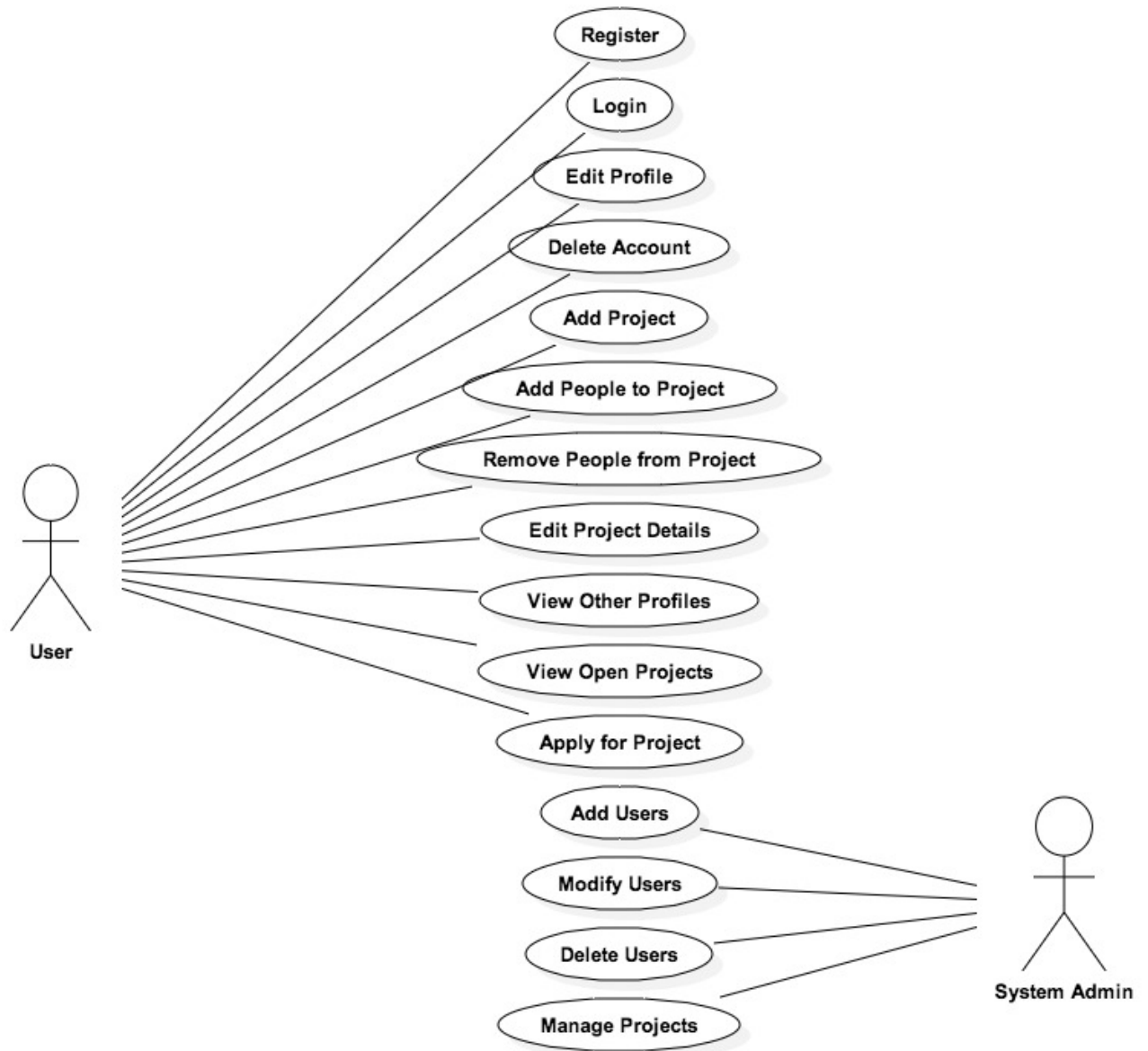
Supporting Actors

Github API

Offstage Actors**Use Cases**

Actor	Goal
User	Register Login Edit Profile Delete account Add Project Add People to Project Remove people from project Edit project details View other users' profiles View open projects Apply for a project
System Administrator	Add users Modify users Delete users Manage projects

Use Case Diagram



Use Case: Administrator Add User

Scope: HackNoble Web Application

Level: user goal

Primary Actor: Administrator

Stakeholders and Interests:

- **Administrator:** Wants to create a user.

- **User:** Needs their user created.

Precondition: Administrator is authenticated.

Success Guarantee: The user is saved to the database. A temporary password is generated and forwarded to the user.

Main Success Scenario:

1. Administrator navigates to the web application and logs in.
2. Administrator navigates to user management.
3. Administrator selects "Add User".
4. Administrator fills out the required information on the form.
5. Administrator saves the information.
6. System sends the username and temporary password to the User.

Extensions:

- A. Administrator's session expires while filling out.
 - a. Administrator tries to save.
 - b. System redirects to log in to re-authenticate.
 - c. After login, bring the Administrator back to the information to ensure they still would like to save this user.
- B. Incorrect information on the form when saving.
 - a. System displays an error message and highlights the erroneous fields.
 - b. Administrator fixes the errors and saves again.
- C. Username/Email is already in use.
 - a. Administrator attempts to save the user.
 - b. System displays an error informing the Administrator that the username or email is already in use. The user is not saved.

Technology and Data Variations List:

- A. Administrator is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence: Depends on growth of the system, being mainly peer to peer, there should not be many occurrences of the Administrator creating users beyond testing.

Open Issues:

- Should the Administrator be able to directly override username/email conflicts?

Use Case: Administrator Delete User

Scope: HackNoble Web Application

Level: user goal

Primary Actor: Administrator

Stakeholders and Interests:

- **Administrator:** Wants to remove a user from the system.

Precondition: Administrator is authenticated.

Success Guarantee: The user is soft deleted from the database.

Main Success Scenario:

1. Administrator navigates to the web application and logs in.
2. Administrator navigates to user management.
3. Administrator finds the User from a list/search in user management.
4. Administrator selects "Delete User".
5. Administrator confirms the choice.
6. User is soft deleted from the database.

Extensions:

- A. Administrator's session expires while browsing users.
 - a. Administrator tries to delete.
 - b. System redirects to log in to re-authenticate.
 - c. After login, bring the Administrator back to the information to ensure they still would like to save this user.

Technology and Data Variations List:

- A. Administrator is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence: Administrators may need to periodically remove inactive users or users who are not following the terms of service.

Open Issues:

Use Case: Administrator Modify User

Scope: HackNoble Web Application

Level: user goal

Primary Actor: Administrator

Stakeholders and Interests:

- **Administrator:** Needs to edit a user's details, change password, or suspend user.

Precondition: Administrator is authenticated.

Success Guarantee: The changes the Administrator made are saved to the database.

Main Success Scenario:

1. Administrator navigates to the web application and logs in.
2. Administrator navigates to user management.
3. Administrator selects "Edit User".
4. Administrator fills out the required information on the form.
5. Administrator saves the information.

Extensions:

- A. Administrator's session expires while filling out.
 - a. Administrator tries to save.
 - b. System redirects to log in to re-authenticate.
 - c. After login, bring the Administrator back to the information to ensure they still would like to save this user.
- B. Incorrect information on the form when saving.
 - a. System displays an error message and highlights the erroneous fields.
 - b. Administrator fixes the errors and saves again.

Technology and Data Variations List:

- A. Administrator is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence: Administrators should not need to edit user information often, only as a last option for changing a password.

Open Issues:

Use Case: User Apply for Project

Scope: HackNoble Web Application

Level: user goal

Primary Actor: User

Stakeholders and Interests:

- **User:** Wants to join a project.
- **Project Member:** Looking for help on the project, will need to approve a user's application.

Precondition: User is authenticated, project exists and is open.

Success Guarantee: The user fills out the application, the application is saved, and an e-mail is sent to project members for approval.

Main Success Scenario:

1. User navigates to the page and logs in.
2. User navigates to view projects.
3. User views the details of the project.
4. User selects "Apply for Project".
5. User fills out information for application.
6. User fill submits application.
7. System e-mails project members for approval.

Extensions:

- A. User's session expires while filling out.
 - a. User tries to submit application.
 - b. System redirects to log in to re-authenticate.
 - c. After login, bring the User back to the information to ensure they still would like to save this user.

- B. Incorrect information on the form when saving.
 - a. System displays an error message and highlights the erroneous fields.
 - b. User fixes the errors and submits again.

Technology and Data Variations List:

- A. User is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence: This will happen very frequently, the main purpose of the application is to collaborate on projects.

Open Issues:

Use Case: Add People to Project

Scope: HackNoble Web Application

Level: user goal

Primary Actor: User

Stakeholders and Interests:

- **User:** add new users to project
- **User to be added:** looking to be added to the project

Preconditions: User has an active account, and is logged it into the system. User to be added has an active account

Success Guarantee (or Postconditions): New user is added to the project

Main Success Scenario (or Basic Flow):

1. User selects the project he wants to add users to
2. User searches for an existing user by entering either their username or email
3. The system searches the database for the entered information, and returns a list of possible matches
4. User selects the user they are looking for
5. System sends an email to the selected user requesting that they confirm being added to the project
6. User to be added confirms being added to the project

Extensions (or Alternative Flows):

- A. User to be added does not confirm being added to the project

Technology and Data Variations List:

- A. User is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence:**Open Issues:****Use Case: Delete user account**

Scope: HackNoble Web Application

Level: user goal

Primary Actor: System under discussion (SuD)

Stakeholders and Interests:

- **User:** user wants to delete his account

Preconditions: User has an active account, and is logged it into the system

Success Guarantee (or Postconditions): User no longer has an active account. User is no longer able to login into the system Other users are no longer able to view deleted user's profile. Deleted user cannot be added to any active projects.

Main Success Scenario (or Basic Flow):

1. The user selects the Delete Account option
2. The system displays Delete Account view
3. User confirms account deletion
4. The system deactivates the account
5. The system deactivates all user's projects associated with account
6. The user is logged out of the system and user is notified that the process has been successful.

Extensions (or Alternative Flows):

- A. User chooses to not delete account during confirmation
 - a. The user is redirected back to Account Settings view

Technology and Data Variations List:

- A. User is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence: User can only delete account once

Open Issues:

Use Case: Register User

Scope: HackNoble Web Application

Level: user goal

Primary Actor: System under discussion (SuD)

Stakeholders and Interests:

- **User:** user wants to register

Precondition: User is not registered in the system

Success Guarantee: User is a member of the website. New user account is created, user information is saved

Main Success Scenario:

1. The user selects "Register" link
2. System displays create new account view
3. User types a username of his choice
4. System checks if the username is not already taken
5. User types an email address
6. System checks if the email address is not already taken
7. User types a password
8. User retypes the password
9. User clicked "Create an account" button
10. System checks if the two passwords are identical
11. System registers the new user with the given parameters (username, email address, and password)

Extensions:

- A. Username is already taken
 - a. System notifies user that username is already in use
 - b. User is requested to type another username
- B. The two passwords are different
 - a. System notifies user that passwords doesn't match the confirmation
 - b. User is requested to retype the password and password confirmation

Technology and Data Variations List:

- A. User is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence: Only happens once for each user

Open Issues:

Use Case: Login User

Scope: HackNoble Web Application

Level: user goal

Primary Actor: System under discussion (SuD)

Stakeholders and Interests:

- **User:** user wants to login

Preconditions: User has an active account, but is not logged in

Success Guarantee (or Postconditions): User is logged in

Main Success Scenario (or Basic Flow):

1. The user selects "Login" link
2. System displays Login view
3. User enters the username and password
4. User clicks "Login" button
5. System attempts to authenticate the user with the given information
6. System redirects user to home page

Extensions (or Alternative Flows):

- A. User enters invalid login parameters
 - a. Error message is displayed

Technology and Data Variations List:

- A. User is using a supported standard web browser. (Ex. Chrome, Firefox, IE, Safari, etc.)

Frequency of Occurrence: User must login every time he wants to access the system

Open Issues:

Use Case: Add Project

This case occurs when the user want to add a new project to the system. The user that creates the project is listed as a creator of the project. User enters information about project and project name and the language it is written in. Project information is validated. If valid, project information is saved.

Use Case: Edit Profile

This use case occurs when a subscriber wishes to change their profile information. The user changes profile information. Information is validated. If information is valid, changes in profile information is saved.

Use Case: Remove people from project

This case occurs when a project creator removes a user from a project or if a user wishes to back out of the project. Users that are removed from the project but have contributed to the project will appear under contributors, but will be greyed out. The removed user will have no access to contribute or edit the project.