Use case context diagram

Project Desperado Web Application

- Edit Profile
- Delete User Account
- View Other User's Profile
- View Open Project
- Apply for Project
- Create Project
- Add User to Project
- Login
- Delete Project
- Edit Project Details
- Remove User from Project
- Add User
- Edit User
- Delete User
- Register
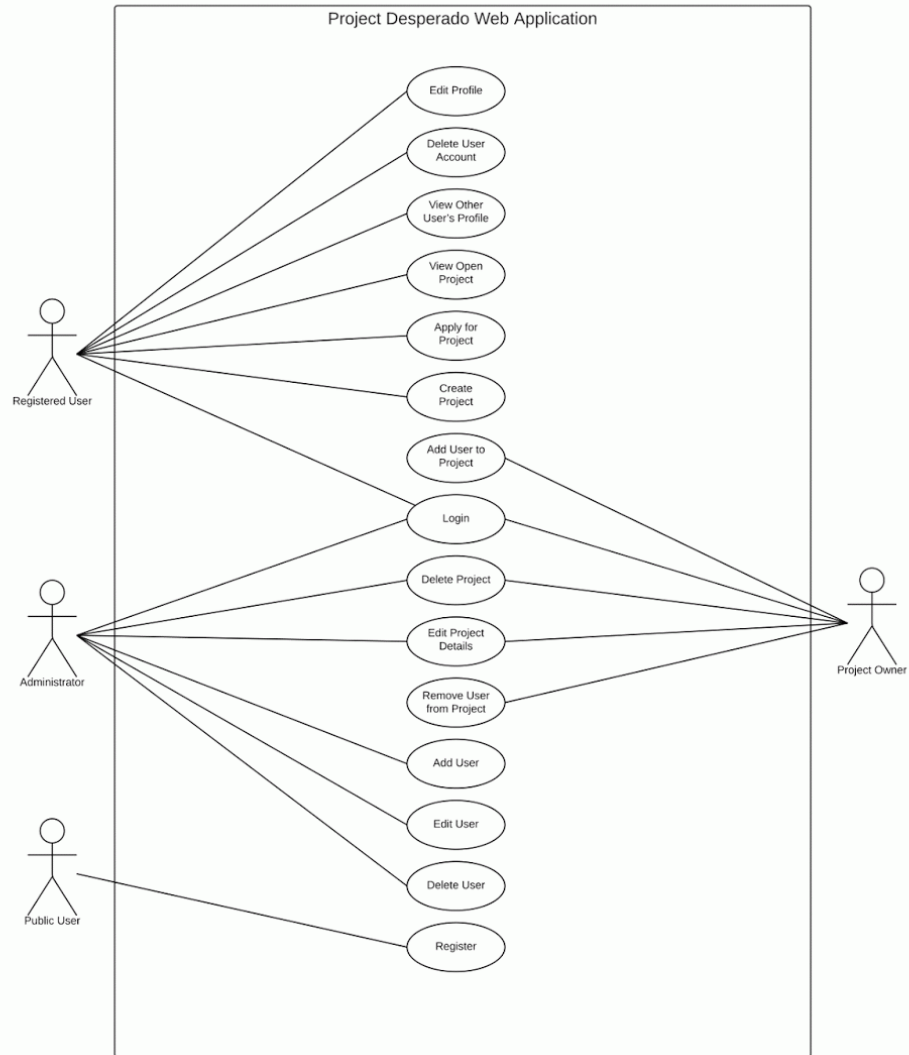
Registered User

Administrator

Public User

Project Owner

Use Case: Add User to Project

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Project owner

Stakeholders and Interests:

- **Project owner:** 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):

6. 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:

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Use Case: Add User

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Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Administrator

Stakeholders and Interests:

- **Administrator:** wants to create a new user
- **User:** needs their profile to be created

Precondition: Administrator is logged in and authenticated

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

Main Success Scenario:

1. Administrator navigates to the admin user management portal
2. Administrator selects "Add User"
3. Administrator fills out the required information on the form
4. System validates information
5. System creates new user in database
6. System sends the username and temporary password to the user

Extensions:

a*.   Administrator's session expires while filling out
1. Administrator tries to save
2. System redirects to log in to re-authenticate

3. After login, bring the Administrator back to the information so he can continue editing user

4. System detects an error when validating information

   4a. Incorrect information on the form when saving

   1. System displays an error message and highlights invalid fields

   2. Administrator fixes the errors and saves again

   4b. Username/Email is already in use

   1. Administrator attempts to save the user

   2. 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: Apply for Project

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Registered user

Stakeholders and Interests:

● **Registered user:** wants to join a project

- **Project creator:** looking for help on the project, will need to approve a user's application

Precondition: User is authenticated and logged in, 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 view projects
2. User views the details of the project
3. User selects "Apply for Project"
4. User fills out information for application
5. User fill submits application
6. System e-mails project members for approval

Extensions:

5. Incorrect information on the form when saving
    1. System displays an error message and highlights the erroneous fields
    2. 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: Create Project

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Registered user

Stakeholders and Interests:

- **Registered user:** wants to create a new project

Preconditions: User has an active account, the user is logged in

Success Guarantee (or Postconditions): The new project is created with the user as the creator and added to the database

Main Success Scenario (or Basic Flow):

1. User navigates the user dashboard
2. User selects "New Project"
3. A new screen is displayed for entering information about the project to be created.
4. User fills in the information about the project.
5. The user presses "Save" button.
6. System validates the project details.
7. The new project is saved to the database.
8. System directs the user to the project management screen for the newly created project.

Extensions (or Alternative Flows):

6. User enters invalid project details.
   1. Error message is displayed describing the invalid fields.

Technology and Data Variations List:

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

Frequency of Occurrence: Sometimes

Open Issues:

Use Case: Delete Project

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Project owner, administrator

Stakeholders and Interests:

- **Project owner:** wants to delete a project
- **Administrator:** wants to delete a project

Preconditions: User has an active account and is logged it into the system. User is a project owner or administrator. Project owner is a user that is listed as a creator of the project. Administrator is authenticated

Success Guarantee (or Postconditions): All users are removed from the project. Project is deleted from the system.

Main Success Scenario (or Basic Flow):

1. User navigates to the project management portal
2. User selects a project to delete
3. User selects "Delete Project"
4. System prompts the user for delete confirmation
5. User accepts prompt to delete project
6. System updates database, removes all users form the project, deletes the project

Extensions (or Alternative Flows):

4. User cancels the request to delete project

Technology and Data Variations List:

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

Frequency of Occurrence: Rarely

Open Issues:

Use Case: Delete User Account

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Registered user

Stakeholders and Interests:

- **Registered 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):

3. User chooses to not delete account during confirmation

1. 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: Delete User

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Administrator

Stakeholders and Interests:

- **Administrator:** wants to remove a user from the system

Precondition: Administrator is logged in and authenticated

Success Guarantee: The user is deleted from the database. Delete user will no longer be able to use system

Main Success Scenario:

1. Administrator navigates to admin user management portal
2. Administrator finds the User from a list/search in user management
3. Administrator selects "Delete User"
4. System prompts the administrator for delete confirmation
5. Administrator accepts prompt to delete user
6. System removes user from database

Extensions:

a*.   Administrator's session expires while filling out

1. Administrator tries to save
2. System redirects to log in to re-authenticate
3. After login, bring the Administrator back to the information so he can continue deleting user
5. Administrator cancels the request to delete 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: Edit Profile

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Registered user

Stakeholders and Interests:

● **Registered user:** wants to make changes to her profile
Preconditions: User has an active account and is logged it into the system

Success Guarantee (or Postconditions): User's profile is updated

Main Success Scenario (or Basic Flow):

1. User navigates to the user dashboard
2. User selects "Edit Profile"
3. A new screen is displayed with user's profile information

4. User updates information
5. The user selects "Save" button
6. System validates required data
7. System updates user's profile
8. System notifies user of changes made

Extensions (or Alternative Flows):

6. User enters invalid profile information
    1. Error message is displayed describing the invalid fields

Technology and Data Variations List:

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

Frequency of Occurrence: Rarely, when user's information is changed

Open Issues:

Use Case: Edit Project Details

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Project owner, administrator

Stakeholders and Interests:

- **Project Owner:** wants to make changes to the project details
- **Administrator:** wants to make changes to the project details

Preconditions: User has an active account and is logged it into the system. User is a project owner or administrator. Project owner is a user that is listed as a creator of the project. Administrator is authenticated

Success Guarantee (or Postconditions): Project details are updated

Main Success Scenario (or Basic Flow):

1. User navigates to the project page
2. User selects "Edit Project"
3. A new screen is displayed with project information
4. User updates project information
5. The user selects "Save" button
6. System validates required data
7. System updates project details
8. System notifies user of changes made

Extensions (or Alternative Flows):

6. User enters invalid project details information
   a. Error message is displayed describing the invalid fields

Technology and Data Variations List:

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

Frequency of Occurrence: Sometimes

Open Issues:

Use Case: Edit User

Scope: Project Desperado 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 logged in and authenticated

Success Guarantee: The changes the administrator made to the user's profile are saved to the database

Main Success Scenario:

1. Administrator navigates to the admin user management portal
2. Administrator selects "Edit User"
3. Administrator fills out the required information on the form
4. System validates information
5. System updates the database with the information provided

Extensions:

a*. Administrator's session expires while filling out
   1. Administrator tries to save
   2. System redirects to log in to re-authenticate
   3. After login, bring the Administrator back to the information so he can continue editing user
4. Incorrect information on the form when saving
   1. System displays an error message and highlights invalid fields
   2. 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: Login

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: System under discussion (SuD)

Stakeholders and Interests:

- **Registered User:** wants to login

- **Project Owner:** wants to login

- **Administrator:** wants to login

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

Success Guarantee (or Postconditions): User is logged in into the system

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: Register User

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: System under discussion (SuD)

Stakeholders and Interests:

- **Public User:** wants to register

Precondition: User is not registered in the system

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

Main Success Scenario (or Basic Flow):

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 (or Alternative Flows):

4. Username is already taken
   1. System notifies user that username is already in use
   2. User is requested to type another username
6. Email is already in user
   1. System notifies user that username is already in user
   2. User is requested either use another email or log in with the one that is registered
10. The two passwords are different
   1. System notifies user that passwords doesn't match the confirmation
   2. 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: Remove User from Project

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Project owner

Stakeholders and Interests:

- **Project owner:** wants to remove user from project

Preconditions: Project owner has an active account and is logged it into the system. Project owner is a user that is listed as a creator of the project

Success Guarantee (or Postconditions): User is removed from the project. Removed user will no longer be able to contribute to the project

Main Success Scenario (or Basic Flow):

1. Project owner selects "Remove User"
2. System prompts project owner for remove user confirmation
3. Project owner accepts prompt to remove user
4. System updates database, removes user form project, lists him as contributor of the project

Extensions (or Alternative Flows):

3. Project owner cancels the request to remove user

Technology and Data Variations List:

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

Frequency of Occurrence: Sometimes users have to be deleted form project due to inactivity

Open Issues:

Use Case: View Open Project

Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Registered user

Stakeholders and Interests:

● **Registered user:** wants to view open project's details

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

Success Guarantee (or Postconditions): Project details are displayed

Main Success Scenario (or Basic Flow):

1. User searches for an existing project by project name or details
2. System searches database for project that match user's request and returns a list of possible matches
3. User selects the project to view
4. New page is displayed with project details

Extensions (or Alternative Flows):

6. Project is not open
   1. User is notified that the project cannot be viewed

Technology and Data Variations List:

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

Frequency of Occurrence: Often

Open Issues:

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Use Case: View Other User's Profile

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Scope: Project Desperado Web Application

Level: user goal

Primary Actor: Registered user

Stakeholders and Interests:

- **Registered user:** wants to view other user's profile information

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

Success Guarantee (or Postconditions): User profile information is displayed.

Main Success Scenario (or Basic Flow):

1. User searches for an user either in the main search area or selects contributed to a project user
2. User selects "View Profile"
3. A new screen is displayed for with user's profile details and the list of projects user have contributed to

Extensions (or Alternative Flows):

1. User is not found in the system
   a. System notifies user that request cannot be processed

Technology and Data Variations List:

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

Frequency of Occurrence: Often

Open Issues: