**Use Case and Diagram for Any.do**

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**Use Case 1: User Registration**

**Use Case ID:** UC1  
**Actor:** User  
**Description:** A new user registers with their email, password, and other personal details.  
**Preconditions:** User is not registered in the system.  
**Main Flow:**

1. The user navigates to the registration page.
2. The user enters their email, password, and personal details.
3. The system verifies the information and creates a new user account.
4. A confirmation email is sent to the user.  
   **Postconditions:** User account is created, and the user is logged in.

**Use Case 2: User/Admin Login**

**Use Case ID:** UC2  
**Actors:** User, Admin  
**Description:** A registered user or admin logs in using their email and password.  
**Preconditions:** The user or admin must already be registered.  
**Main Flow:**

1. The user or admin navigates to the login page.
2. The user or admin enters their email and password.
3. The system verifies the credentials.
4. The user or admin is logged in and redirected to the home page.  
   **Postconditions:** The user or admin is authenticated and logged in.

**Use Case 3: View Home Page**

**Use Case ID:** UC3  
**Actors:** User, Admin  
**Description:** After logging in, both users and admins are redirected to the home page, which provides an overview of pending tasks, important updates, or key features.  
**Preconditions:** User or Admin must be logged in.  
**Main Flow:**

1. The system displays the home page after login.
2. The user or admin can navigate to the "All Tasks" page, "To-Do" page, "Completed" page, or "Profile" page.  
   **Postconditions:** The user or admin views the home page.

**Use Case 4: Manage All Tasks**

**Use Case ID:** UC4  
**Actor:** User  
**Description:** The user views and manages all their tasks (both pending and completed) on the "All Tasks" page.  
**Preconditions:** User is logged in.  
**Main Flow:**

1. The user navigates to the "All Tasks" page.
2. The system displays all tasks (categorized by completed and pending).
3. The user can filter, sort, or search tasks.
4. The user can select tasks to edit, delete, or mark as complete.  
   **Postconditions:** The user views or modifies tasks.

**Use Case 5: Create New To-Do Task**

**Use Case ID:** UC5  
**Actor:** User  
**Description:** The user creates a new to-do task.  
**Preconditions:** User is logged in.  
**Main Flow:**

1. The user navigates to the "To-Do" page.
2. The user clicks the "Create New Task" button.
3. The system prompts the user to enter the task title, description, due date, and priority.
4. The user submits the task details.
5. The system adds the new task to the user's pending tasks list.  
   **Postconditions:** A new to-do task is created.

**Use Case 6: Edit To-Do Task**

**Use Case ID:** UC6  
**Actor:** User  
**Description:** The user edits an existing to-do task.  
**Preconditions:** User is logged in and has existing tasks.  
**Main Flow:**

1. The user navigates to the "To-Do" page or "All Tasks" page.
2. The user modifies the task details (title, description, due date, or priority).
3. The user saves the changes.
4. The system updates the task with the new information.  
   **Postconditions:** The selected task is updated.

**Use Case 7: Delete To-Do Task**

**Use Case ID:** UC7  
**Actor:** User  
**Description:** The user deletes an existing to-do task.  
**Preconditions:** User is logged in and has tasks to delete.  
**Main Flow:**

1. The user navigates to the "To-Do" page or "All Tasks" page.
2. The user selects a task to delete.
3. The user clicks the "Delete" button.
4. The system confirms the action and removes the task from the list.  
   **Postconditions:** The selected task is deleted.

**Use Case 8: Mark Task as Completed**

**Use Case ID:** UC8  
**Actor:** User  
**Description:** The user marks a to-do task as completed.  
**Preconditions:** User is logged in and has existing pending tasks.  
**Main Flow:**

1. The user navigates to the "To-Do" page or "All Tasks" page.
2. The user selects a task from the list.
3. The user marks the task as "Completed."  
   **Postconditions:** The selected task is marked as completed.

**Use Case 9: View Completed Tasks**

**Use Case ID:** UC9  
**Actor:** User  
**Description:** The user views a list of completed tasks on the "Completed" page.  
**Preconditions:** User is logged in and has completed tasks.  
**Main Flow:**

1. The user navigates to the "Completed" page.
2. The system displays all completed tasks.
3. The user can view, search, or delete completed tasks.  
   **Postconditions:** The user views or manages completed tasks.

**Use Case 10: Manage User Profile**

**Use Case ID:** UC10  
**Actor:** User  
**Description:** The user views and updates their profile information on the "Profile" page.  
**Preconditions:** User is logged in.  
**Main Flow:**

1. The user navigates to the "Profile" page.
2. The system displays the user’s current profile information.
3. The user edits details such as name, email, or password.
4. The user submits the changes.
5. The system updates the user profile with the new information.  
   **Postconditions:** User profile is updated.

**Use Case 11: Logout**

**Use Case ID:** UC11  
**Actor:** User  
**Description:** The user logs out of their account.  
**Preconditions:** User is logged in.  
**Main Flow:**

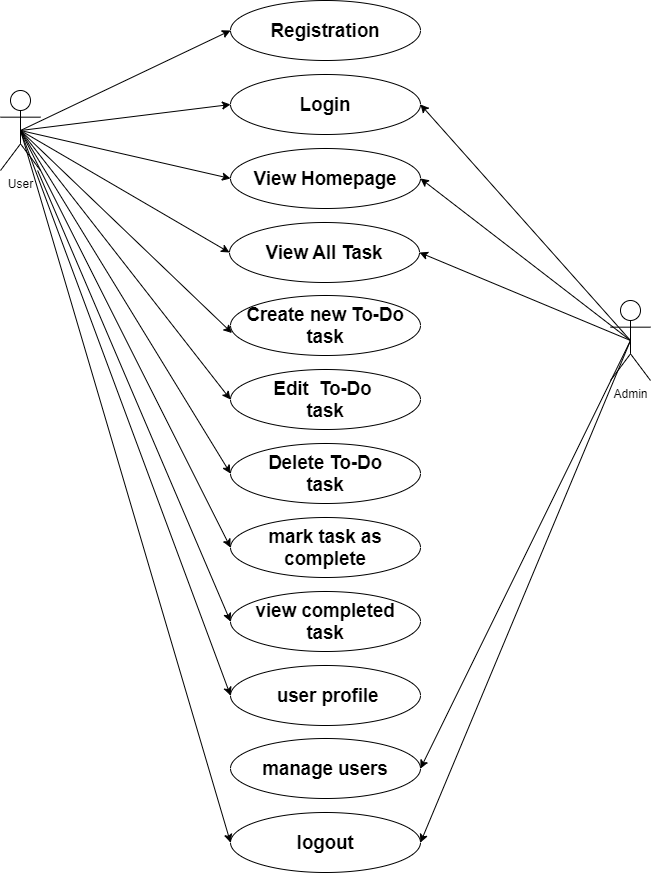
1. The user clicks on the "Logout" button.
2. The system logs the user out and redirects them to the login page.  
   **Postconditions:** User is logged out of the system.

**Use Case 12: Manage Users**

**Use Case ID:** UC12  
**Actor:** Admin  
**Description:** Admin can view and manage user accounts, suspend or delete them if necessary.  
**Preconditions:** Admin must be logged into the system.  
**Main Flow:**

1. Admin logs into the system.
2. Admin navigates to the User management section.
3. Admin views a list of all user accounts.
4. Admin suspends or deletes accounts if required.
5. The system updates the user account status.  
   **Postconditions:** User accounts are updated or removed from the platform.

**Use Case Diagram**

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