## Daily Events Tracker Application

Admin:

* Add tasks.
* View tasks.
* Update tasks.
* Delete tasks.
* Set permissions for users.

User:

* Create an account.
* Log in and out.
* View tasks.
* Add comments to tasks.
* Update the status of tasks.
* Search for tasks.
* Receive notifications about tasks.

Extras:

1. Recurring tasks: The ability to create tasks that repeat on a regular basis.
2. Subtasks: The ability to break down large tasks into smaller subtasks.
3. Dependencies: The ability to specify that one task depends on another task.
4. Due dates: The ability to set due dates for tasks.
5. Reminders: The ability to set reminders for tasks.
6. Charts and graphs: The ability to view charts and graphs that track the status of tasks.
7. Exporting data: The ability to export data from the application to a CSV file.

USE CASE DOCUMENT

Use Case Document: Daily Events Tracker Application

1. Use Case: Add Task

Actors: Admin

Description: The admin can add a new task to the Daily Events Tracker application.

Precondition: The admin is logged in to the application.

Postcondition: The new task is added to the task list.

Main Success Scenario:

1. The admin selects the "Add Task" option.
2. The admin provides the details of the task (e.g., task name, description, due date, assigned user).
3. The admin clicks on the "Save" button.
4. The system validates the task details.
5. The system adds the task to the task list.

Alternative Flow:

If the task details are invalid (e.g., missing required fields), the system displays an error message and prompts the admin to provide valid details.

Use Case: View Task

Actors: Admin

Description: The admin can view the details of a task in the Daily Events Tracker application.

Precondition: The admin is logged in to the application.

Postcondition: The task details are displayed.

Main Success Scenario:

The admin selects the "View Task" option.

The admin enters the task name or selects the task from a list.

The system retrieves and displays the task details.

Alternative Flow:

If the task does not exist or the admin does not have permission to view the task, the system displays an appropriate message.

Use Case: Update Task

Actors: Admin

Description: The admin can update the details of a task in the Daily Events Tracker application.

Precondition: The admin is logged in to the application and the task exists.

Postcondition: The task details are updated.

Main Success Scenario:

The admin selects the "Update Task" option.

The admin enters the task name or selects the task from a list.

The system retrieves and displays the current task details.

The admin modifies the task details (e.g., changes the due date, updates the assigned user).

The admin clicks on the "Save" button.

The system validates the updated task details.

The system updates the task with the new details.

Alternative Flow:

If the task does not exist or the admin does not have permission to update the task, the system displays an appropriate message.

Use Case: Delete Task

Actors: Admin

Description: The admin can delete a task from the Daily Events Tracker application.

Precondition: The admin is logged in to the application and the task exists.

Postcondition: The task is deleted from the task list.

Main Success Scenario:

The admin selects the "Delete Task" option.

The admin enters the task name or selects the task from a list.

The system retrieves and displays the current task details.

The admin confirms the deletion.

The system removes the task from the task list.

Alternative Flow:

If the task does not exist or the admin does not have permission to delete the task, the system displays an appropriate message.

Use Case: Search Task

Actors: User

Description: The user can search for a task in the Daily Events Tracker application.

Precondition: The user is logged in to the application.

Postcondition: The search results are displayed.

Main Success Scenario:

The user selects the "Search Task" option.

The user enters the task name or other relevant search criteria.

The system retrieves and displays the search results.

Alternative Flow:

If no matching tasks are found, the system displays a message indicating that no results were found.

Use Case: Update Task Status and Add Comments

Actors: User

Description: The user can update the status of a task and add comments to it.

Precondition: The user is logged in to the application and the task exists.

Postcondition: The task status is updated, and comments are added.

Main Success Scenario:

The user selects the "Update Task" option.

The user enters the task name or selects the task from a list.

The system retrieves and displays the current task details.

The user updates the task status (e.g., marks it as complete, in progress, or pending).

The user adds comments related to the task.

The user clicks on the "Save" button.

The system validates the updates.

The system updates the task status and saves the comments.

Alternative Flow:

If the task does not exist or the user does not have permission to update the task, the system displays an appropriate message.