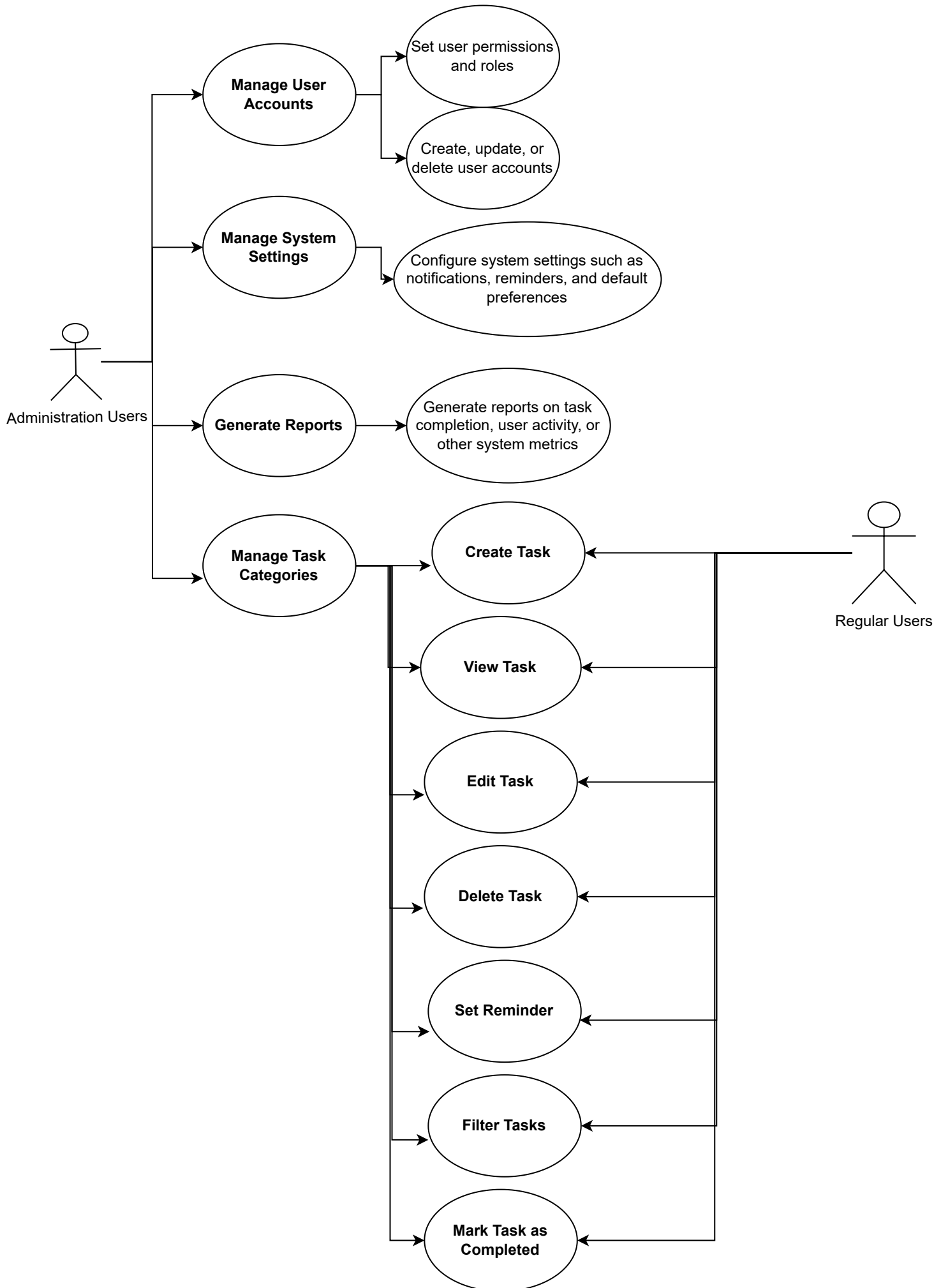
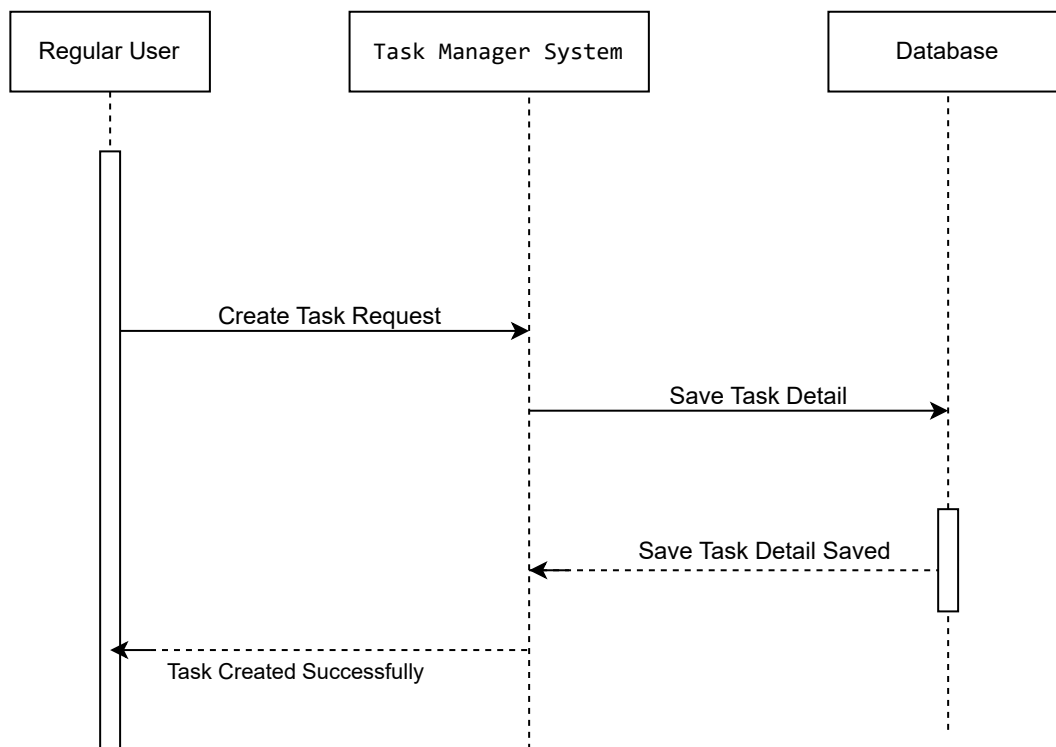


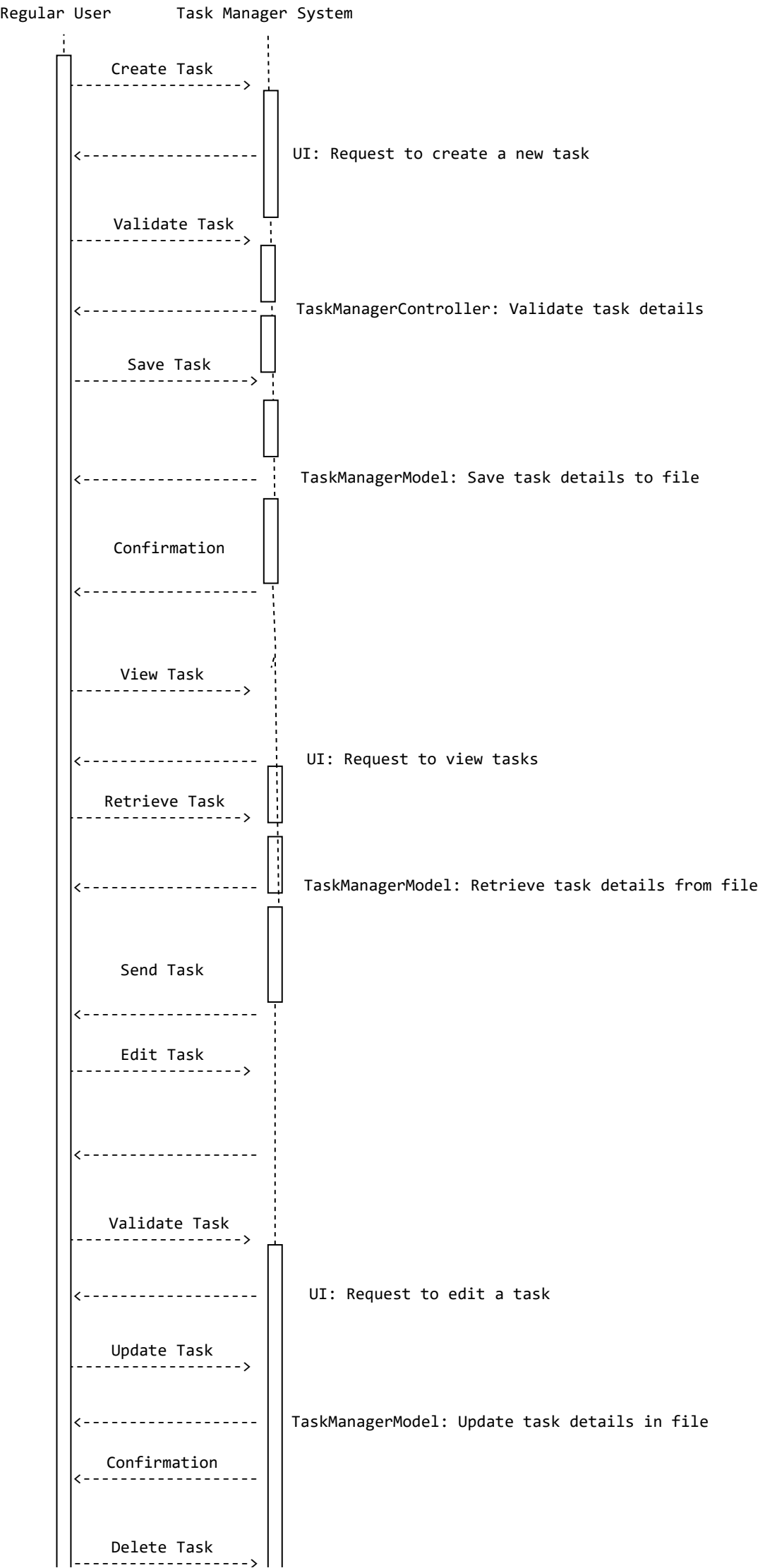
Use case diagram

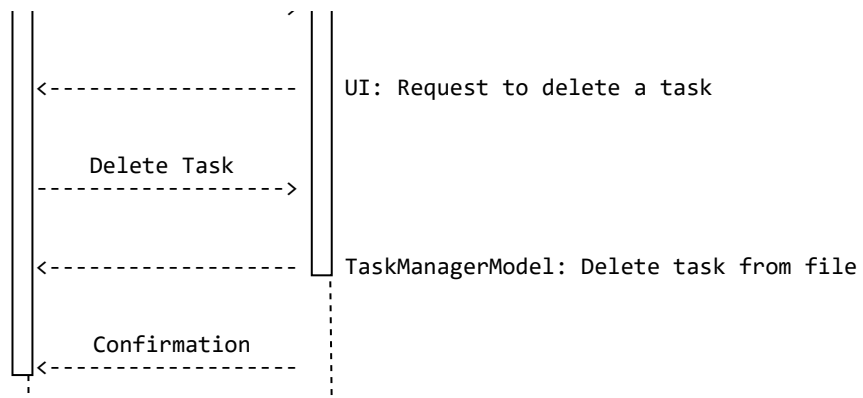


Sequence diagram



Sequence diagram





User Interface (UI):

- Receives user requests to create, view, edit, or delete tasks.
- Presents task-related information to the user.
- Validates user input before forwarding it to the TaskManagerController.
- Displays confirmation messages and task details retrieved from the TaskManagerModel.

TaskManagerController:

- Receives user requests and input from the UI.
- Validates user input and ensures data consistency.
- Orchestrates the flow of operations, such as creating, viewing, editing, and deleting tasks.
- Communicates with the TaskManagerModel to perform CRUD operations on tasks.
- Sends confirmation messages and task details back to the UI for display.

TaskManagerModel:

- Manages the data related to tasks, including task details and statuses.
- Handles CRUD operations for tasks, such as creating, reading, updating, and deleting tasks.
- Stores task data persistently, likely in files according to the sequence diagram.
- Validates and processes task data received from the TaskManagerController.

File System (Optional, if separate from Model):

- Manages file operations related to task data storage and retrieval.
- Reads task data from files when requested by the TaskManagerModel.
- Writes updated task data to files after CRUD operations.
- Ensures data consistency and integrity when interacting with files.

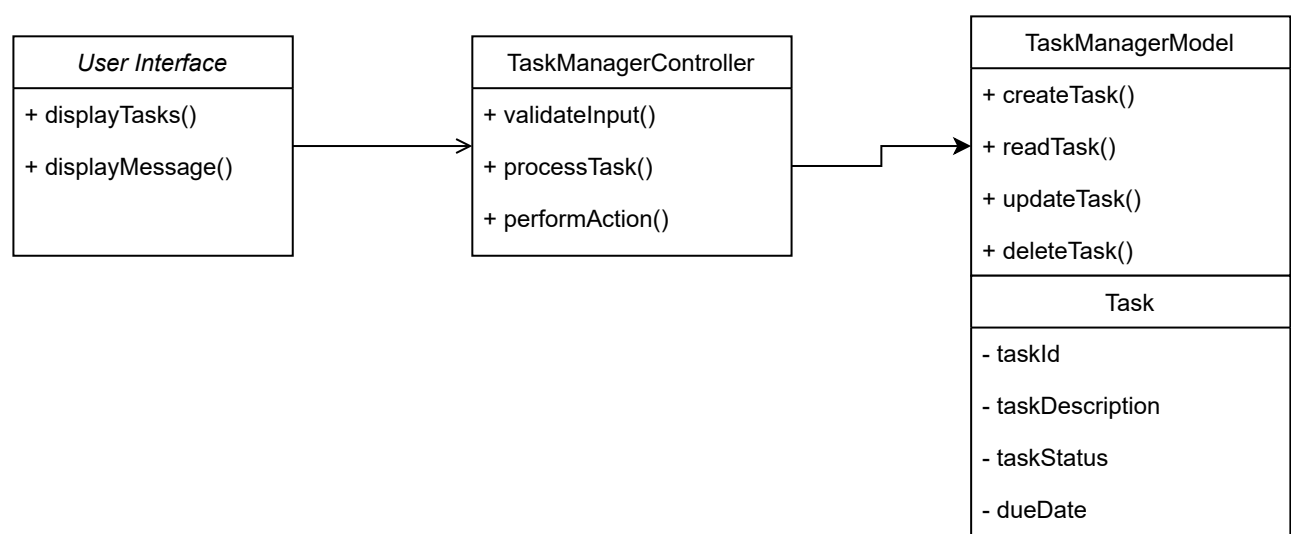
Reminder Service (Assumed based on "Set Reminder" use case):

- Manages reminders associated with tasks.
- Sets reminders for tasks based on user requests.
- Sends notifications or alerts to users when reminders are due.
- Coordinates with the TaskManagerModel to retrieve task data and schedule reminders.

This outline identifies the key concerns and responsibilities of each component in the task manager application based on the interactions describe helps clarify the roles of each component and their interactions within the system.



Class diagram



CRUD matrix

	Create	Read	Update	Delete
User Interface Text	+	+	+	+
TaskManagerController	-	-	-	-
TaskManagerModel	+	+	+	+
Task	+	+	+	+