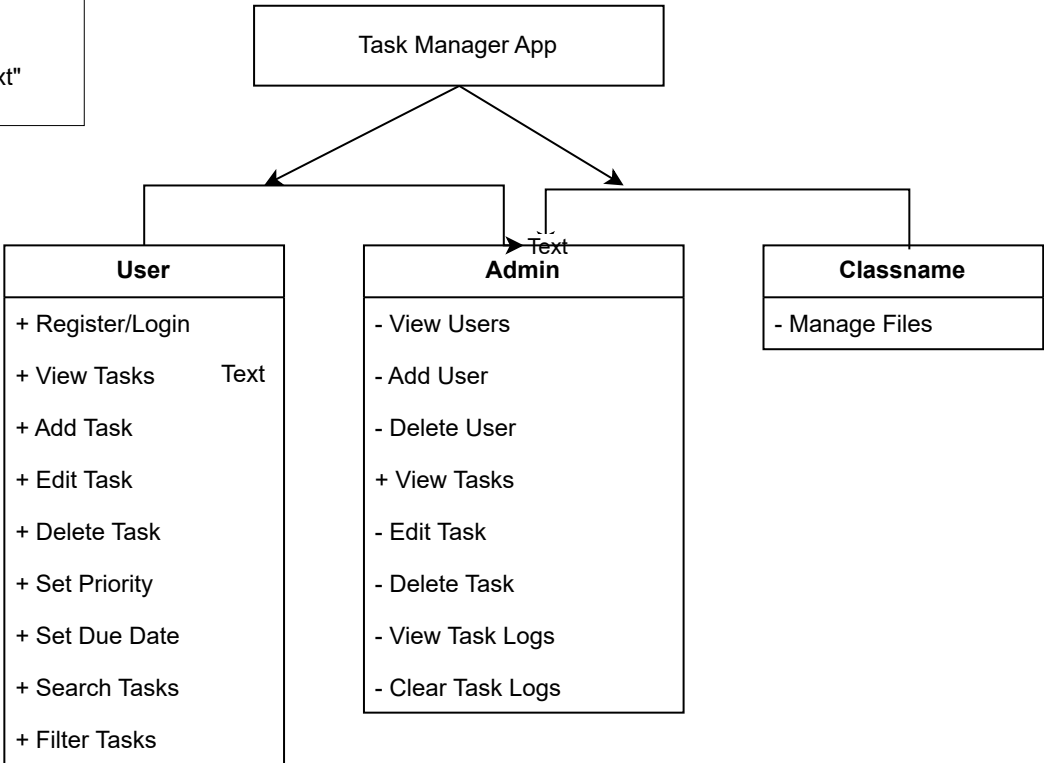


hyperiondev - Software Engineering (Fundamentals)
Task 15 - "Software Design"
Author: Helder P - HP24010013265
Date: 03/04/2024

Description: Practical Task 1 - "use_case_diagram.txt"
""

• Use Case Diagram for Task Manager Application:



Concerns Outline for Each Component

User Interface Component:

- Responsiveness and User Experience (UI/UX)
- Input validation and error handling
- Interface design and layout
- Integration with backend functionality

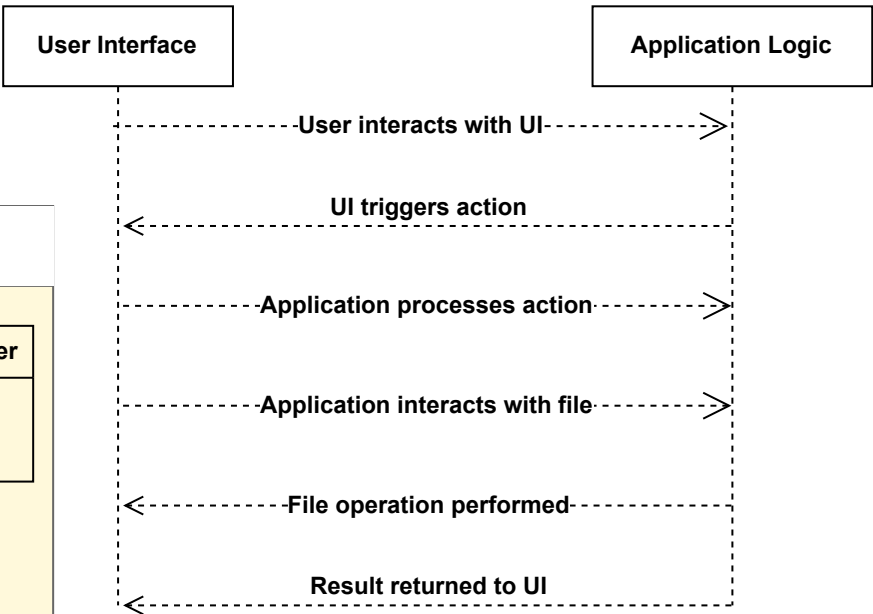
Application Logic Component:

- Business logic implementation
- Task management algorithms
- User authentication and authorization
- File handling and data persistence
- Error handling and logging

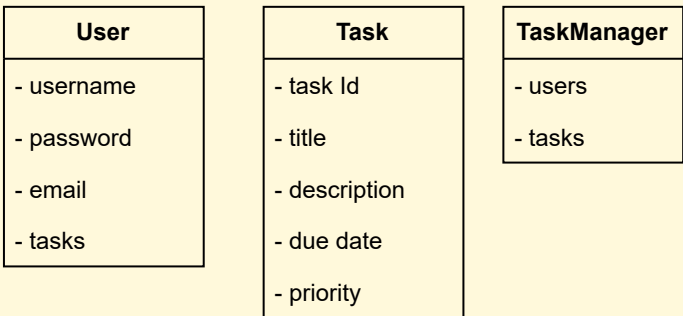
File System Component:

- File storage structure and organization
- Read/write operations efficiency
- Error handling for file operations
- Data integrity and security measures

• Sequence Diagram for Task Manager Application:



• Class Diagram for Task Manager Application:



CRUD Matrix for Task Manager Application:

Entity	Create	Read	Update	Delete
User	yes	yes	yes	yes
Task	yes	yes	yes	yes