## **Features:**

- Multiple user accounts with login/registration system
- Task queue implementation for each user
- Add regular and priority tasks (priority tasks go to the front of the queue)
- View and complete tasks in queue order
- View all tasks in the queue
- Data persistence (saves user data between sessions)

## **Key Components:**

- 1. **TodoApp Class**: The main application controller that handles the console UI and user interactions.
- 2. **User Class**: Represents a user account with:
  - Username and password
  - A task queue (implemented with Deque for both regular and priority functionality)
  - Methods for task management
- 3. **Task Class**: Represents a single todo item with:
  - Description
  - Creation date
  - Priority status

## **How the Queue is Used:**

- Regular tasks are added to the end of the queue with addLast()
- Priority tasks are added to the front of the queue with addFirst()
- Tasks are completed in FIFO order (First In, First Out)
- The Deque interface gives flexibility for both queue and priority operations