**CPSC 362: Software Engineering (Spring 2024)**
**College of Engineering and Computer Science**
Instructor: Raja Ravindra Kathi

## Group Project: Task Management System

***Objective:***
The objective of this assignment is to give students practical experience in designing, implementing, and testing a software application using software engineering principles and methodologies.

***Description:***
You are tasked with developing a simple task management application (more or less try to show up with a Kanban version of this application) that allows users to create, view, update, and delete tasks. The application should have a user-friendly interface and support basic CRUD (Create, Read, Update, Delete) operations on tasks.

***Requirements:***
-   *User Interface*: Design a user interface for the application using any appropriate web based technology or combination of technologies

-   *Functionality*:
    Users should be able to add new tasks with a title, description, and due date.
    Users should be able to view a list of all tasks.
    Users should be able to update task details and mark tasks as complete.
    Users should be able to delete tasks.

-   *Data Persistence*: Implement data persistence to store tasks between sessions. You can use a simple file-based storage system or a lightweight database (e.g., SQLite/MongoDB).

-   *Documentation*: Provide clear documentation for your code, including how to run the application and any dependencies that need to be installed.

***Optional Enhancements (for no extra credit):***

- Implement user authentication and authorization to allow multiple users to use the application with their own task lists.
- Add support for organizing tasks into categories or projects.
- Implement reminders or notifications for upcoming task due dates.
- Improve the user interface with additional features such as filtering tasks by status, sorting tasks by due date, etc.

***Deliverables:***

- Source code of the application.
- Documentation including a brief overview of the application, instructions for running the application, and any additional information deemed necessary.
- Video link to your project's youtube video.

***Submission:***
Submit your assignment electronically by the specified deadline. Make sure to include all required files and documentation. Upload them as a .zip or .tar or .tar.gz file and make sure the documentation has your youtube link.

***Evaluation Criteria:***
Your assignment will be evaluated based on the following criteria:

- Completion of requirements (5 Marks)
- UI Interactivity and usability of the outcome (5 Marks)
- Presentation (10 Marks)
- Documentation clarity and completeness (10 Marks)

**Deadline:** April 18, 2024
Important Note: Remember, the journey is as important as the destination. This project offers a chance to not only create a valuable tool but to learn and grow as software developers and team players. Best of luck!

NO LATE SUBMISSIONS WHAT-SO-EVER PLEASE!