Object Oriented Programming

Title : Task Monster

Lecturer : Dr Nordin Zakaria

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Description

Introduction

Task Monster is a simple, web-based task management tool created for small business owners to organize their daily tasks, deadlines, and priorities. Unlike more complex project management platforms, Task Monster emphasizes ease of use, offering a clear and uncomplicated interface for managing tasks in a structured manner. This tool is ideal for businesses seeking a lightweight solution to track daily work and prioritize tasks without the need for extensive customization or added complexity.

Project Objectives

The primary objective of Task Monster is to create a user-friendly, accessible web-based application where small business owners can:

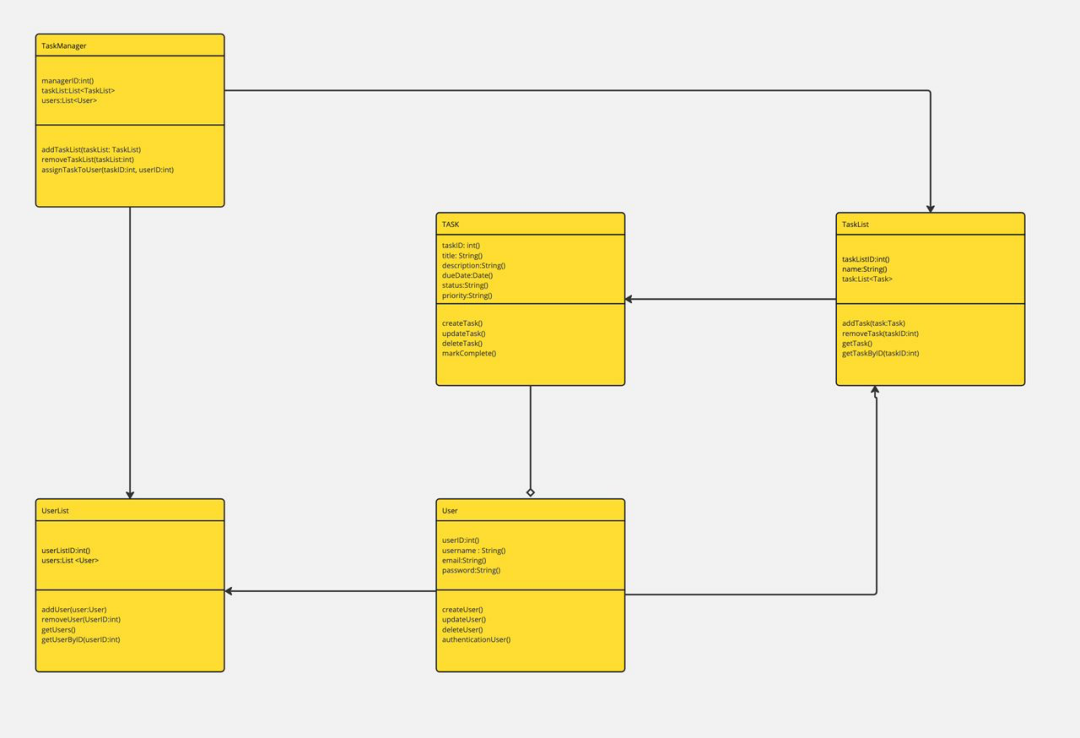
1. Add tasks with descriptions, deadlines, and priorities.
2. View a list of tasks in order of priority and due dates.
3. Easily track and manage ongoing tasks with minimal setup.

Target Audience

The main target audience for Task Monster includes:

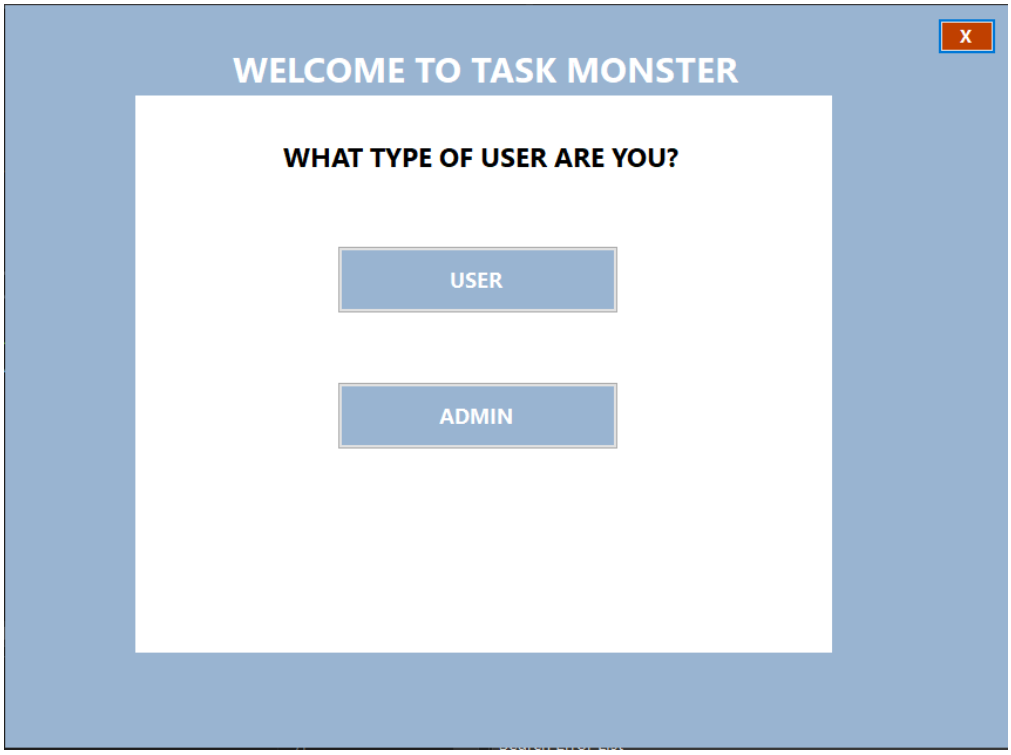
- Small business owners who need an easy-to-use tool to track tasks.
- Individuals or teams looking for a basic task management system without unnecessary complexity.
- Businesses with limited resources who need a simple solution rather than a large-scale project management software.

UML Diagram


TaskManager
managerID:int()
taskList:List<TaskList>
users:List<User>
addTaskList(taskList: TaskList)
removeTaskList(taskList:int)
assignTaskToUser(taskID:int, userID:int)
TASK
taskID: int()
title: String()
description:String()
dueDate:Date()
status:String()
priority:String()
createTask()
updateTask()
deleteTask()
markComplete()
TaskList
taskListID:int()
name:String()
task:List<Task>
addTask(task:Task)
removeTask(taskID:int)
getTask()
getTaskByID(taskID:int)
UserList
userListID:int()
users:List <User>
addUser(user:User)
removeUser(UserID:int)
getUsers()
getUserByID(UserID:int)
User
userID:int()
username : String()
email:String()
password:String()
createUser()
updateUser()
deleteUser()
authenticationUser()

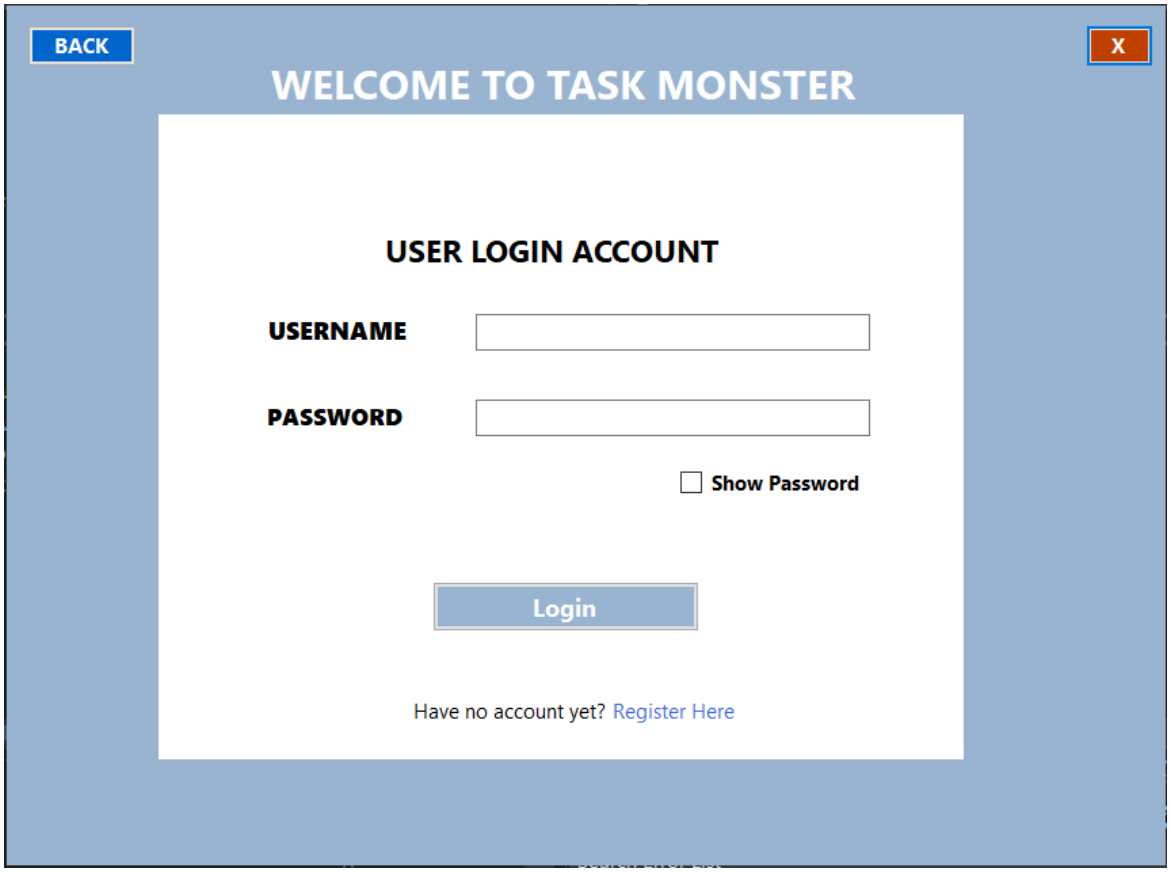
Task Monster GUI

This is our landing page, user need to choose what type of user are them.



User Login Page

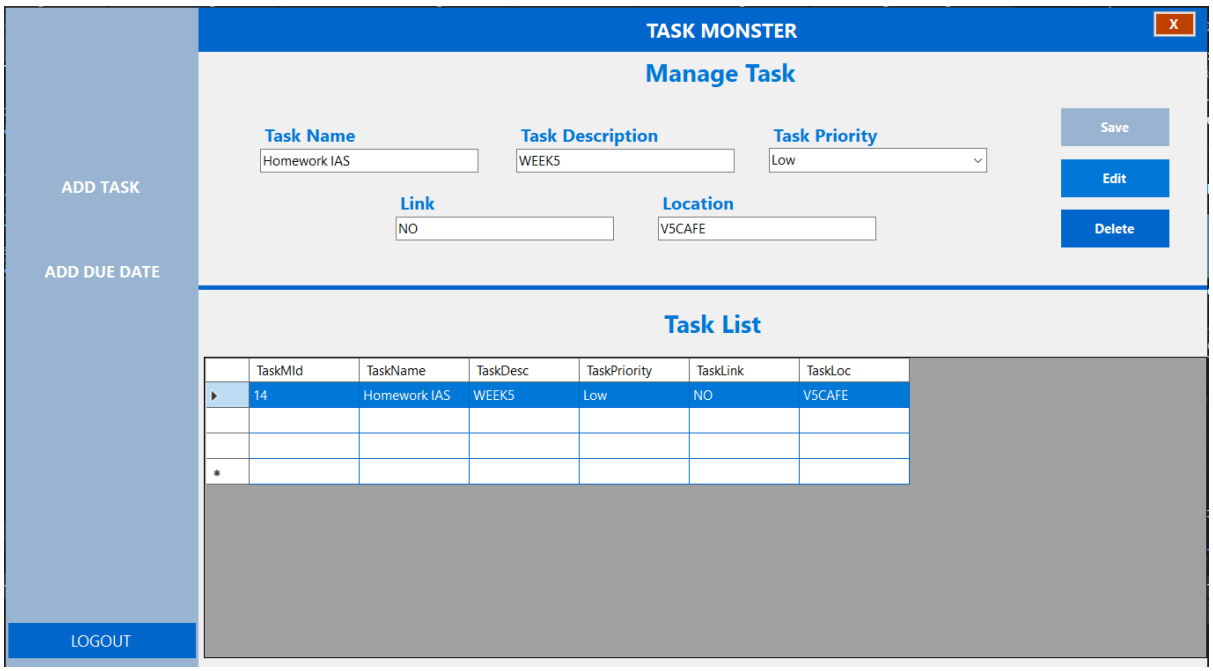
If you choose user, it will straight away show this page and requires you to fill your username and password if u already created one before.



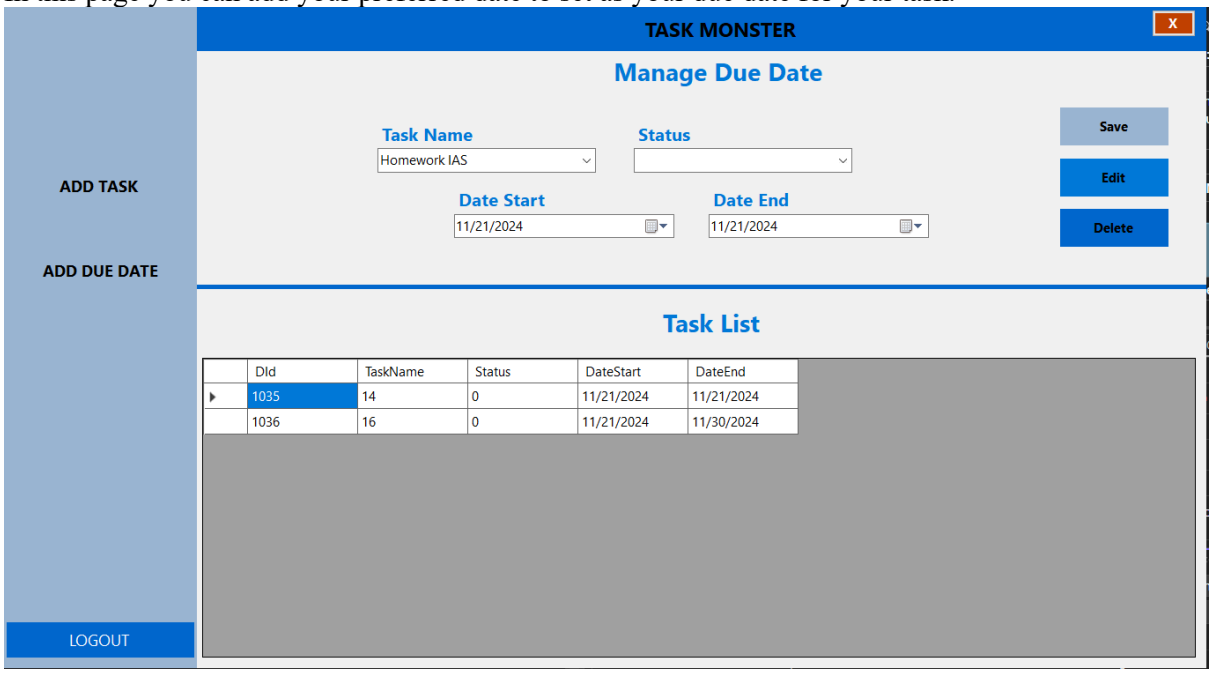
Register Page

If you does not have any account, u need to register and after u register by fill in your username, password and confirm password, it will bring u back to login page.

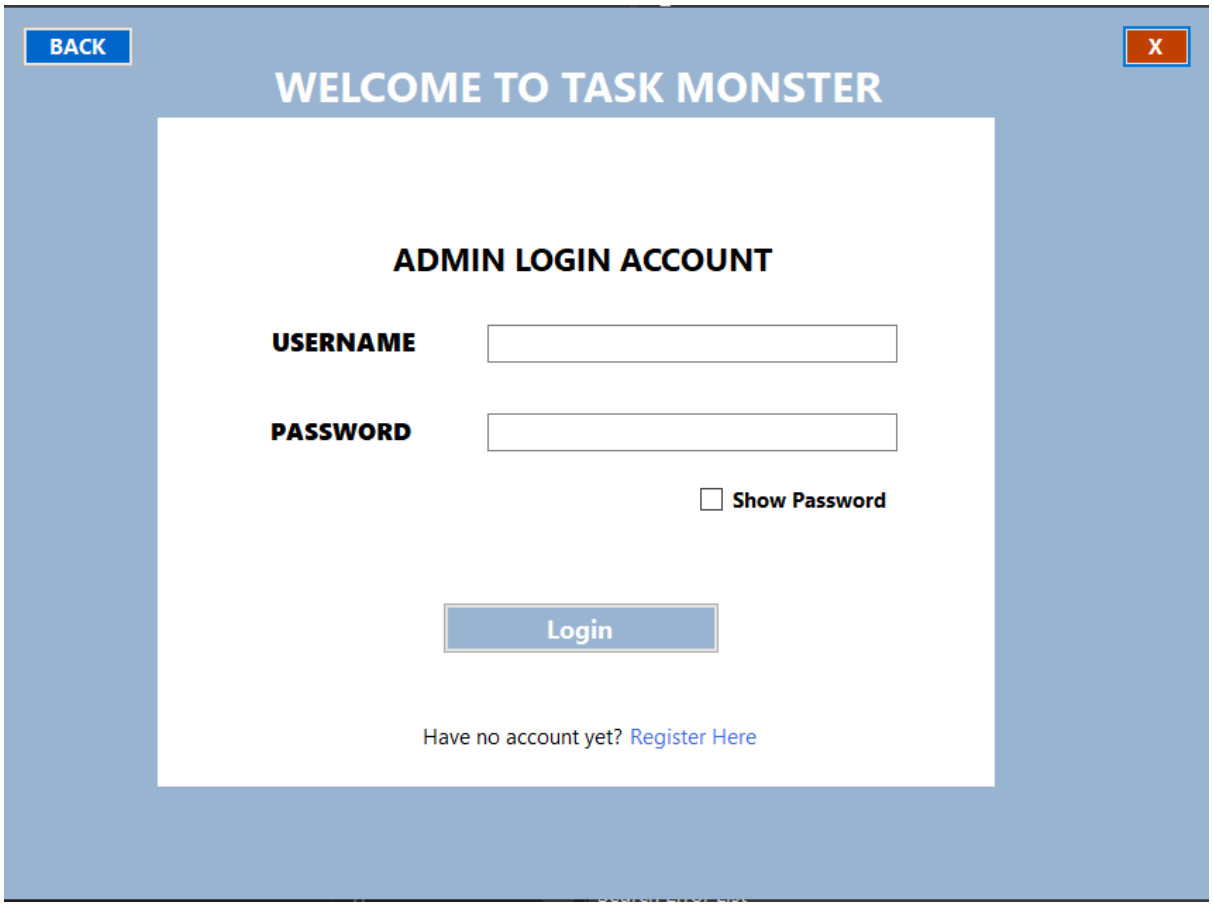
Manage Task Page
Once you in, it will straight away show you this page where you can add, edit and delete your task.

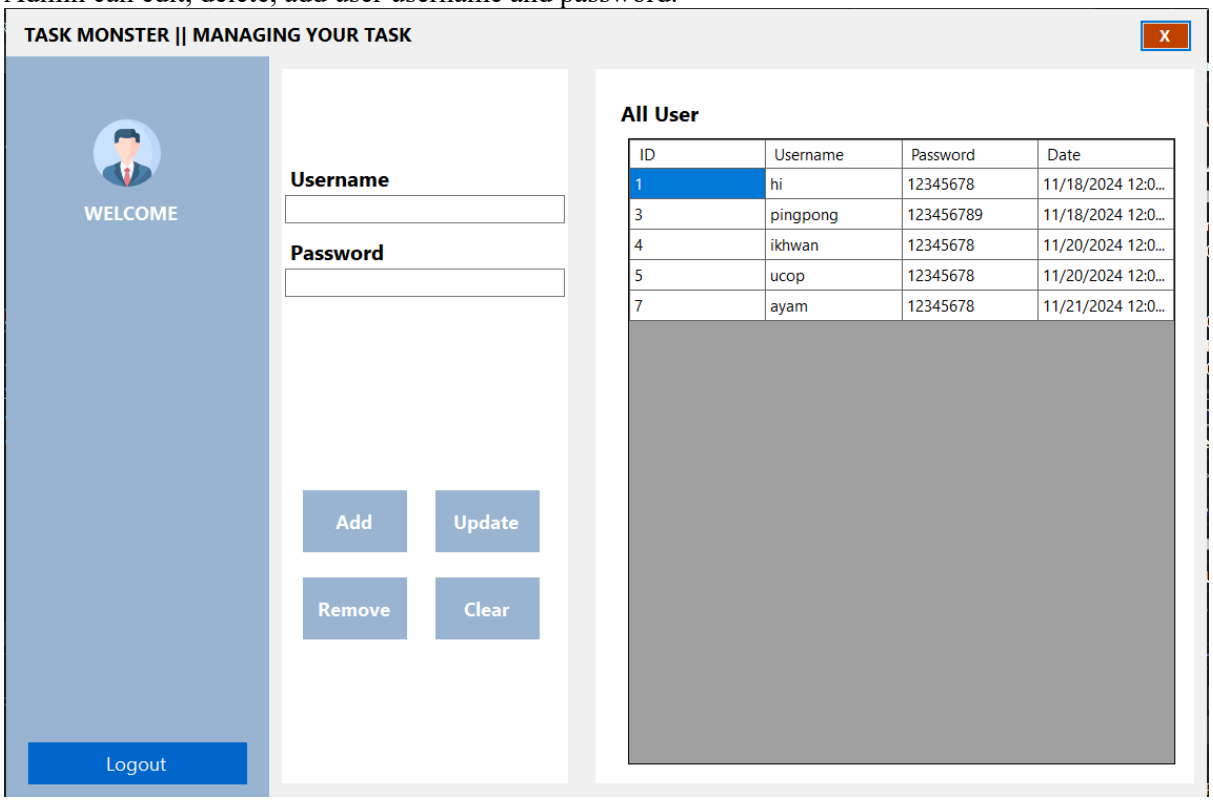


Due Date Page
In this page you can add your preferred date to set as your due date for your task.



Admiin Login



Admin Register

User Database
Admin can edit, delete, add user username and password.