PROTOTYPE COMPLETION AND REQUIREMENTS TESTING:
TEST CASES

Below are a series of test cases for a task management system.

User Registration:

- *Users will be able to register for an account with a username, password and will be given a priority ranking.*

Test Case	Input	Expected Output	Actual Output
User Registration	Username Password Name Phone number Address Email	-New user object is successfully created and stored in the database. -User can successfully login with new account	-User object is created and added to database -user can login with username and password during this instance of the program and new instances

Create Tasks/Projects:

- *Users will be able to create tasks and projects.*
- *Users will be able to add tasks to projects.*
- *a priority ranking.*

Test Case	Input	Expected Output	Actual Output
Create a task or project	Task: - Task Name - Deadline - Assigned Project - Priority - Assigned to (optional) - Task Num Project: - Project Name - Project ID - Deadline - Owner - Priority - Num of Tasks	-Task has been created/deleted/added to a project -Project has been created -Task/Project deadline has been created	Tasks are successfully created (ones with missing fields fail). Projects (because of last minute change to database) fail to create as of now.

Assign Task to User:

- *Users can assign tasks to a specific user profile, or have the system automatically assign tasks to users.*

Test Case	Input	Expected Output	Actual Output
Assign a task to a specific user	Task User	-User will be assigned to a task -User can see what tasks they are assigned to	User is assigned to task at any time (optional at time of task creation). As of now backend shows all tasks on a project the user's manager owns.

Update Task and Progress
- *When a user completes a task, it will update the overall progress of the project.*

Test Case	Input	Expected Output	Actual Output
Update tasks and progress	User adjusts the completion level of the task (moves from "in progress" to "complete")	-Overall progress of the project is updated	The progress field representing the project progress sum right now fails to update.

View Profile
- *User should be able to view profiles using data retrieved from the database.*

Test Case	Input	Expected Output	Actual Output
View profile(s)		-Users view data stored in the database	Users successfully see appropriate data per profile

Edit Profile
- *User is able to edit their own profile information in the database, but not others.*

Test Case	Input	Expected Output	Actual Output
Edit data of own profile	User attempts to edit other profiles, user attempts to edit own profile	-Users will be unable to edit other profiles, user will be able to edit own profile	Users can edit all profiles

TEAM BREAKDOWN

NAME	WORK BREAKDOWN
Abbey Cameron	- Creation and implementation of registration.py - Backend creation and implementation of database.py - Backend creation and implementation of model.py - Backend integration of registration.py - Test cases: Registration and User Login
Alessia Panzica	- creation & implementation of project.py, project_manager.py, task.py, and main.py - Backend integration of all the above 4 listed files o NOTE: Backend database for projects page works at times (sometimes fails) so the versatility of the implementation of the backend for the projects page is my responsibility - Altering (not creation) of base classes in model.py (created by Abbey) for integration purposes - Test Cases: create tasks/projects, assign tasks, update project progress
Jasper Lim	- Creation and implementation of profile.py - Integration of backend with user profile page - Test Cases: view profile, edit profile