

## **Week 2 Module 1 – Coding Challenge**

### **# Todo Manager Sprint 4**

#### **## Problem Statement**

Todo Manager is an application which can Manage our Tasks and keep track of our Tasks. In the course of 3 week we will be creating a Todo manager.

#### **## User Stories**

1. As a User I should be able to login in the application using static data
2. As a User I should be able to Register in the application
3. As a user I can be either the client or visitor.
4. AS a visitor i can only see the tasks assigned to me
5. As a client I should be able to add the task into an array
6. As a client I should be able to update the task in the array
7. As a client I should be able to delete the task in the array
8. As a client I should be able to search a task from an array
9. As a client I should be able to assign the task to a visitor.
10. As a User I should be able to see proper Error Messages if there is some wrong entry done

#### **## Instructions: -**

1. Please refactor the code created in sprint 3.
2. Please create a user as a parent class and client and visitor should be child classes.
3. The Child class should have a constant type which can classify the type of user once object is created.
4. Please use Collections to store the user and Task information
5. All the CRUD operations should happen in a dao class. Main should contain only menu.
6. please use userDAO and taskDAO interfaces and userDAOimpl and taskDAOimpl as classes implements the interface
7. Please use Custom Exceptions to show the error message.
8. The application can be exited only if user enters 0 to exit. Else user should see the menu again and again.
9. Estimated completion time of the challenge will be 2hr.
10. Make sure you're uploading the code on Olympus.