

SWE 530 – Assignment 1

Designing a Project with Given Requirements

The purpose of the software project is to DESIGN an “instant messaging application for teams trying to achieve a common goal”. Some of the requirements are listed below:

- There should be workspaces for organizing the team.
- A workspace has an owner
- There should be channels inside the workspace
- There should be a channel named “main” for all members, but some of the channels should be protected, which means only subscribers of the channel can enter the channel.
- In channels, there should be a task management tab for simple task management operations such as assigning tasks to users and viewing the status of the tasks
- People should be able to join a workspace via email and link
- Members of the workspace should be able to post text, media, link to the channels (if they are subscribers of that channel)

Rest of the requirements are recorded during an interview and the voice recording file is posted on Moodle.

Your Task List:

1. Read and listen the requirements
2. List and enumerate the requirements (you can put the above requirements in quotation marks)
3. Find out the missing details that is left to you for deciding
4. Decide how to fill those missing details by your proposal
5. Draw Use Case Diagrams of your DESIGN
6. Draw Mockup Screens
7. List the entities of the system

Submission:

- Submission will be done over Moodle as a Turnitin assignment
- Turnitin-Similarity-Score should be less than 15, you may list the requirements given above in quotation marks but you should have other requirements from voice recording file without quotations.
- You should submit a PDF file with the name <swe530_a1_studentID_surname.pdf> and that has a detailed report for presenting the problem, **constraints**, black-box design, **decision points**, and the mockup screens.