

HOMEWORK WEEK 5-6

(handout for students)

TASK 1 (Agile Techniques)

Question 1

Complete definitions for Scrum related key terminology provided below.

SCRUM CEREMONIES

- Product backlog refinement
- Sprint planning.
- Daily scrum.
- Sprint review.
- Sprint retrospective

SCRUM ROLES

- ScrumMaster
- Product Owner
- Development Team.

Question 2

You are leading a development team that was given a task to create a new yoga booking system.

High level description of the system is as follows:

- It has a very simple interface to accept user input (bookings) and display classes information
- All bookings, appointments, schedules etc should be stored in a SQL database.
- There is a 'backend' system that should be written in Python to handle the logic and manage the data flow.

Your team has two weeks to build a simple prototype that will be shown to the client to seek their feedback and discuss further enhancements.

TASK

- Break this task into smaller stories (chunks of work) for the team to work on.
- Assume that one person works on one task.
- Mark tasks that can be worked on in parallel and perhaps those that need to be worked on in particular order.

TASK 2 (SQL)

Question 1

Design a cinema booking system.

Think how you would approach the problem and what are potential ways of solving it?

You do not need to write actual code, but describe the high-level approach:

- Draw a list of key requirements
- What are your main considerations?
- What would be your common or biggest problems?
- What components or tools would you potentially use?
- You are welcome to draw a diagram (a very simple one) for the process flow to explain how it is going to work.