

Assessed Exercise 1

(DEADLINE: 30th November 2022, Wednesday, 5:00 PM)

This is an exercise for teams of 6 or more members. All team members are expected to contribute equally to the project, but you can use each member's strengths. You will each rate the contribution of your teammates in a separate individual report. Ideally, all group members should contribute equally, if not, this individual report is a chance to let us know so that we assign grades accordingly.

1. Project Description:

The following is a project to manage part time teachers (PTT) in a university department. Here is the description:

We are developing software to manage the employment, training, and payment of part time teaching staff at a university or other such educational or training establishment. Before the start of each term or semester, the class directors produce a list of teaching requirements which we must try and fill. Our administrator will then attempt to find suitable staff and organise training for them.

All teaching requests must be approved by the PTT Director, who will also be able to check the budget. Our system will allow Course Directors to enter requests and will store them for approval by the PTT director. It is expected that informal discussions will take place outside this system before formal requests are made via the system. After teaching starts, we will receive claims forms, which we pass to the university finance department for payment.

Sometimes teachers will not turn up, as detected by the course director. We will make sure that they are not paid and that they are informed of this. In other cases, teachers will request a replacement by a named individual or inform someone of a pending absence. The recruiter may well find a replacement. This process will take place outside our system, but the recruiter will enter any replacement or absence into the system.

The claims forms will be computer based, to conform with the current finance department procedures. Our system will record the approval of any payments and provide the facilities for checking if a payment is due. Any irregularities in payment will be handled outside the system. All teachers will be given an automatic reminder when it is time to submit their next claim.

The recruitment process takes place outside our system, we just provide facilities for teachers and teaching duties to be entered.

The system will maintain a record of teacher skills and training. The actual training will not be part of the system. The system will store two types of data, current data referring to classes that are about to run or running, and historical data of past classes and teachers. Historical data will be purged after 5 years.

The system will maintain create, update, and read permissions for all information stored.

You should find appropriate User Stories, give them priorities, and estimate how long they will take in ideal days. Your estimates do not have to be realistic; we just want you to follow the appropriate process. This will naturally involve finding user roles and personas. You should then choose an appropriate iteration length and velocity and make a preliminary allocation of stories to iterations. You should also create a release plan. You should use an Agile approach in this exercise and use Trello to communicate between team members.

2. The Reports:

Each project team will submit a **team report** and each team member will submit an **individual report**.

2.1. Team Report: Your team report should contain the following:

- Your team's name and a list of each team member's contribution, including roles such as scrum master and product owner.
- A list of user roles.
- A list of user stories, each with conversations (optional), tests (or acceptance criteria), priority, and time/effort estimation.
- A list of constraints.
- The iteration and release plans.
- A team retrospective on what went well and what was challenging while completing this assignment.
- You should include screenshots from Trello to document your report. Use as many screenshots as you need and if in doubt add a screenshot.

2.2. Individual Report: Your individual report on team members should just contain a list of all team members, including yourself, and your estimate of their percentage contribution. Your individual report can also contain any communication related issues that affected team's performance negatively (if there were any).

3. Reports' Submission to Moodle:

- Please submit your team report and individual reports through Moodle by **30th November 2022, Wednesday, 17:00 (5:00 PM)**.
- Only one team member (i.e., project team representative) will submit the team report. Each team member will submit an individual report.