

Software Engineering, Spring term 2020

## GUC Administration System

Milestone 1 - Grade 10%

Deadline 6/3/2020 11:59pm

---

Please read the following instructions carefully:

- Any case of **plagiarism**, will result in a zero.
- Any case of **cheating**, will result in a zero.
- It is **YOUR responsibility** to ensure that you have:
  - Submitted before the deadline.
  - Submitted the correct file(s).
  - Submitted the correct file(s) names.
  - Submitted your code inside a zipped folder with the format  
TeamName\_milestone\_1.zip. For example compteam\_milestone\_1.zip.
- Teams are to make sure they submitted their team members' details by  
February 21st at 23:59 using the following link "[Submission form](#)". Only one team  
member should submit this for the whole team.
- Good luck! =D

## 1 THEME

The theme of the project, is the GUC Administration System. It will focus designing an enhanced version of the current GUC system augmented by a new subsystem that we will call *Researchers Portal*.

## 2 OVERVIEW

In this milestone, it will focus on requirements elicitation. You are asked to define the requirements to enhance the current system as well as the requirements of the Researchers Portal.

You can ask questions to gather information alongside your own research. Course staff will act individually but they represent one client. So, there could, and will, be conflicting requirements made by different individuals. It will be your task to come up with a complete and consistent set of requirements.

The timeline for the project will be as follows.

Milestone	Expected	Start	Deadline	Percentage
1st	Requirements & System Design	22/2/2020	6/3/2020	10
2nd	UX Design & Product Plan	21/3/2020	4/11/2020	20
3rd	Test Cases	4/11/2020	11/11/2020	10

### 3 DELIVERABLES

In this milestone, you are required to perform the following tasks:

1. A requirements sheets of the user-requirements, and their corresponding system-requirements, covering all stakeholders of the system:
  - Students
  - TAs
  - Professors

Your functional requirements sheet should follow the specification outlined in the excel sheet named (RequirementsTemplate- User Stories Sheet)

2. A report of the non-functional requirements of the system (RequirementsTemplate - Non Functional requirements)
3. A graphical representation of the subsystems and the modules making up the system. An example of such a diagram could be found in the attached (ArchTemplate)
4. The Class Diagram describing all the entities and their interactions in the system
5. The Sequence Diagrams describing, for each subsystem, the two most-dependent-on requirements

## 4 GRADING CRITERIA

The grading criteria of milestone 1, will depend on the following points and any unfulfilled requirement will result in grade deduction:

- You should have at least 150 **unique** system-requirements. That will be considered valid if and only if they cover the following points (in order for each user story to be considered valid it has to be):
  - clear
  - consistent
  - coherent
  - comprehensible
- Your requirements should cover **all** stakeholders
- Your requirements should at least cover all the functionalities **currently** existing in the current GUC system (The GUC system refers to the students' portal, the TAs' portal and the professors' portal)
- Your requirements should cover all the specifications, communicated by the staff, of the Researchers Portal