

# Software Design:

## Iteration 0, Initial Planning

This is worth **5 mark** out of 100 marks of your final grade.

**Due:** Friday Jan 27, 2023 by Noon (11.59 am)

In iteration 0, you will describe your project topic and the proposed scope of your project. The description will be submitted in the form of a vision statement and user stories. Your work will be submitted to eClass. There is no code implemented in this iteration.

Each group will submit one set of materials for evaluation, **a PDF file**, where the PDF document's front page states the team's number and the team members' names and the projects' name. The PDF file must be submitted to eClass by the deadline. Late submissions will follow the "late delivery policy" written in the course syllabus document on eClass. No extra accommodation is given for project delivery.

Also put a copy of this document (call it "Planning Document") in the team's github repo. You will update the planning document as soon as anything changes (or gets more concrete) during the term.

### Project scope

Please read the course syllabus and the slides from week 1, explaining the project. In short, the project is a standalone Java desktop app. It will have an interactive GUI and a DB. It can have limited access to Internet. There is no requirement on what framework or libraries you use. Note that the GUI and DB are not the emphasis of the course, so choose projects that do NOT need complex GUI or data. Make sure there are some unique/customized features in your app (selling point).

The project should at least have 3 high-level categories of features. Each category bundles multiple big user stories together in one iteration to bring some new marketable feature to customer. For instance, for inventory system, one category is basic operations and its big stories are login, add, remove, and search. These are each one big story. Then you need smaller user stories per big story. For example, search item requires (finding an item or a list of items, different viewing options, and a sort option). You need to submit 3 or 4 high-level categories of stories for the whole project. For each iteration, make 3 or 4 big stories.

You can confirm the topic and scope of the project with the course instructor beforehand.

### Customer

For Iteration 0, you don't have to meet the client team. In Iteration 1, you just implement the minimum set of marketable features. Meeting with Client and getting their new feature requests is for Iteration 2. However, you can meet the Client team now (see the Teams spreadsheet on eClass) and make them aware of your project and its scope or even get early

feedback!

## Tasks and deliverables

You must submit the following work for evaluation:

1. **A vision statement:** This one-page statement consists of a title, a summary sentence that describes the overall scope of your project, and several paragraphs containing more detail about your vision for the project. It should include a description of what the project is (including who the users are), why the project is valuable, and the success criteria that indicate the goal(s) of the project.
2. **Big user stories:** these user stories describe the main features of your software in very broad terms, for the entire project. You should create 3-4 big stories for each of the three iterations (submit 9-12 big stories total).
3. **Iteration 1 detailed user stories:** these are the user stories you plan to implement in the first iteration, in greater detail. You should create 5-10 user stories for the first iteration.
4. **Customer meeting's summary video:** Submit a video file (in AVI) that summarizes your meeting with the customer. In the meeting you discuss the vision and the big user stories with the customer and come to a compromise based on your budget (class project's time) and the preferences of the customer. The video should be maximum 5 minutes. It can be either a combination of different footages of your meeting and your wrap up talk at the end or the last five minutes of your meeting were you and your customer summarize the meeting together.

The vision statement should be one page long. Sample vision statements, for two systems are on eClass.

The user stories should be written on 3"x5" index cards. Each card should have a descriptive title, and greater detail below. For the big stories, the detail will be brief; for the user stories, the detail should be more precise and may include unanswered questions. Cards should also include a priority measurement (high, medium, or low) and a time estimate, in story points (ideal development days). Note that there are typically 3 weeks between each iteration. See the Syllabus for exact due dates. Some big stories and iteration 1 detailed stories for the SRS project are also available on eClass.

During your project meetings, use the physical index cards, but for this assignment submit an electronic version. Put each 2 or 3 user story index cards in one page and submit one PDF file containing the vision and all user stories (big and detailed ones), explicitly mentioning which ones are for Iteration 1.

## Deliverables summary:

- One PDF on eClass (vision, and stories)
- Planning Document on GitHub
- Peer Evaluation form (filed and signed)

## **Evaluation**

Your work for this iteration will be marked out of 5, with 2 marks allocated to the vision statement (including the choice of proper project) and 3 marks to the planning (both big stories and detailed stories, and their planning).