The University of Western Ontario
Department of Computer Science
CS2212b 2015

Team Project
Stage 1

In this assignment, your team will do the first stages of the high level design of your software for the team project. The documents will be posted or linked to on the "Wiki" portion of your Team's private GitHub repository page (which will be setting up for Tutorial 2). This Wiki will be updated throughout the project to reflect your progress at each stage.

Github Wiki

Wiki's are collaborative documents written using a simplified markup language. There is an editor built right into GitHub that you can use like a rich text editor to create your report. The contributions to a Wiki are tracked and past versions are viewable.

Your wiki at the deadline for this stage must include:

- Home Page
- Personnel Profile Page
- PivitolTracker Page
- Software Design Page
- Project Plan Page

Each page should have a title.

Home Page

Your homepage is the first thing people see when they click on your wiki. The page should include a brief description of the project and the course, your team number and the software that you are developing.

Personnel Profile Page

This page must include a list of all the team members and a brief summary of the skills or background knowledge of each member. Also, list any roles or responsibilities you have assigned to team members (like Swing lead, Github curator, etc)

Pivotal Tracker Page

The Pivotal Tracker page must have a screenshot of your tracker so we can see:

- Current
- Backlog
- Icebox
- Epics

You will also include a link to your PivotalTracker project. Be sure to test that the link works. See further details below.

Software Design Page

This page will outline the design of your project, and will consist at this stage of a UML class diagram. See further details below.

Project Plan Page

This page must include the additional components your team plans to implement. To propose an additional component not listed, you must provide:

- A title for the additional component
- A brief description of the feature
- Detailed, itemized requirements for the feature similar to those in the project specification

Pivotal Tracker User Stories

Your team should sign up for a free, public tracker on http://www.pivotaltracker.com.

Your team must then create all user stories that you think will be needed for the project including additional components (including proposed components).

Each user story entered on PivotalTracker should include:

- The story itself
- A time estimate for the story (in story points)
- Any acceptance criteria in the Description field
- The epic to which the story belongs in the Labels field
- The team members to whom the story will be assigned in the Owner field.

Your team must then set its estimated velocity on PivotalTracker, and prioritize its user stories into iterations.

UML Class Diagram

Your team will create a class diagram to represent the design of your system.

Your diagram must have sensible classes, attributes, methods, associations, hierarchies, etc., that capture the requirements in as complete a manner as possible. At this stage, however, we do not expect details such as attribute types, method return types, or the visibility of methods (public or private).

Additionally, you should model only the domain – you do not need to model the interface (i.e. you do not need to include any classes for the user interface for this assignment).

You must use Microsoft Visio 2013 or another UML drawing program to generate the UML Class Diagrams (not Paint or Word drawing).

Visio is used widely in industry, so if you have team members interested in this they may want to try it out. It is available free to Computer Science students at http://www.csd.uwo.ca/msdnaa. If you do not have a Windows system, you can download VMware for free at http://www.csd.uwo.ca/vmap, and then download Windows for free from the same site from which you downloaded Visio.

ArgoUML is an open-source modeling tool which is Java based, so you can run it on any platform. It is available here: http://argouml.tigris.org/

Export an image of your diagram and include that in your Wiki page, as well as the software used to generate the diagram.