CS 200	**Project 1**	**40 points**
Fall 2016	**Requirements**	September 22, 2016 @ 11.59pm

Practical information

- Ask your questions on Slack or make an appointment to meet with the TA.
- Teams: As Assigned.
- Each team submits only *one full solution*.
- The submission should consist of a simple **HTML file** (called report.html) and any additional file required (.java, .txt, .jpg and whichever other files you want to submit). It should have explicit references to *all submitted files* as well as inline inclusion of images. In the header of the report file, you must specify: the *name* of the student, student's *CWID*, student's *email* address and the *time spent* on the assignment (in hours, for statistical purposes). Your solution should be entirely included in the body of the report file. Specify any extra assumptions or your own clarifications if needed. Then for each task, describe your solution in the form of a report.
- The **report.html** must be a complete report. Failure to producing this report will result in a penalty of 5% on your total grade.
- All submitted files should be referred to from within the report file, otherwise they will not be accessible during grading! Create a ZIP file archiving all your files. The archive should have only a folder as its root. The folder and the archive must have the same name. Submit the ZIP file in Blackboard.
- Only one team member (the submitter) shall submit the full solution (ZIP file). Mention who the submitter is in the **report.html**. Additionally, the **report.html must include a *Task Distribution* section**. This section should outline all the tasks that were performed and what percentage each team member contributed. If the balance is not evenly spread among all, the grades for each team member may differ. Each team member must submit the report.html, but with only the header, not the solution, and the Task Distribution section, affirming that you all agree on it.
- The submission medium is Blackboard.
- You may re-submit as many times as you wish before the deadline is passed.

Goals

This assignment will make you familiar with *requirement elicitation and UML use case diagrams*.
The grading scheme is as follows:

- Glossary (10%)
- Image & data files of your Use Case diagram using VPP (20%)
- Use Case descriptions (65%)
- BitBucket statistics (5%)

Upload *all* images, data files, source files and result files to Blackboard and provide links to *all* of them from your report.html file. Also include any additional information the corrector might require to correct the assignment. Your submission should consist of one directory called: Requirements.

Assignments

Consider the Chocoholics Anonymous (ChocAn) project described in Appendix A of the textbook. During this whole semester, you will engineer the ChocAn project following the software engineering techniques learnt in class. You will be responsible for providing a complete solution to the project including requirement elicitation, analysis, design, and implementation. For your convenience, the project is split up in four assignments. This assignment focuses on the requirements flow.

Task

- After you get familiar with the domain of ChocAn, produce a glossary consisting of key terms and their brief explanation as done in Figure 11.3 of the textbook.
- Identify the different Use Cases and draw a UML Use Case diagram of the system in Visual Paradigm (VPP). Try to use various features of use cases.
- For each Use Case, write the description of the Use Case directly in the report.html using the following format:

  Use case: Name of the Use Case.
  Context: Brief description of the Use Case.
  Actors: List of actors of the Use Case.
  Main Success Scenario: The step-by-step description, such as:

  1. Step 1
     1.1. Step 1.1
  2. Step 2
  3. Step 3

  Extensions: Possible alternatives to the steps you may think of (e.g., what happens if something goes wrong at this step), such as:

  1a. Instead of Step 1
  3a. Instead of Step 3
  3b. Other alternative to Step 3

- Append the screenshots of the commits page of Bitbucket repository as a statistic in the report.html file.