

Practical information

Questions:

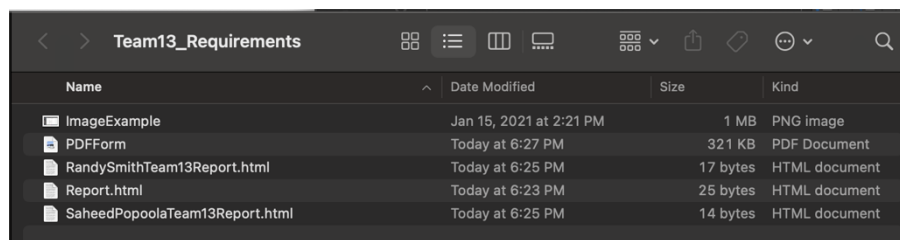
Ask your questions on Slack or make an appointment to meet with the TA.

Teams:

As Assigned.

Report:

- A. Each team submits: only one full solution.
- B. Create a solution folder (**called TeamX_Requirements**). X is your team number. This will be your solution folder. The TeamX_Requirements solution folder should consist of the following types of files:
 1. Your solution. This is a simple HTML file (**called Report.html**). Your solution should be entirely included in the body of the Report.html file. (Simple HTML files include a header and a body section.) The Report.html file must be a complete report.
 2. Any additional files required (.java, .txt, .jpg, .png, .html and whichever other files you want to submit). These will be additional files to the Report.html file and must be saved in the **same folder** (TeamX_Requirements). Otherwise, they will not be accessible during grading.
 3. **Team members, excluding the submitter**, must also submit a HTML file. Team members must create a HTML file, with **ONLY the Header table, Task Distribution table**, thereby affirming that you all agree on it, **and their version of the Use Case diagram**. (Each team member **MUST** make a Use Case Diagram before deciding on the final diagram for the team to be graded.) **Let me repeat: Team Member HTML files should have 3 items: header table, task distribution table, and their original use case diagram**. Each team members HTML file (**called FirstNameLastNameTeamXReport.html**) is saved in the solution folder (the submitted folder to Bb). These files will be part of your solution folder. These are considered additional files. These files **are not** submitted separately in Blackboard. These files are additional files in your solution folder. Below is an example of the Team13_Requirements solution folder with a Report.html file, two team member HTML files, an PNG image file, and a PDF file:



Name	Date Modified	Size	Kind
ImageExample	Jan 15, 2021 at 2:21 PM	1 MB	PNG Image
PDFForm	Today at 6:27 PM	321 KB	PDF Document
RandySmithTeam13Report.html	Today at 6:25 PM	17 bytes	HTML document
Report.html	Today at 6:23 PM	25 bytes	HTML document
SaheedPopoolaTeam13Report.html	Today at 6:25 PM	14 bytes	HTML document

The Report.html File

The Report.html file will **always include** the following:

1. **A Header table.** This table should include the name of each team member, CWID number, Crimson email address, hours contributed to the project.
2. **A Task Distribution table.** This table should include the name of each member, the tasks performed by each member, the percentage contributed by each team member. The percentages should total 100%. If the percentage totals are not evenly spread among the members, the grades for each team member may differ. We will be looking at the contribution percentage for each project. We do not want any team members overloaded.
THIS IS A TEAM PROJECT!
3. **Bitbucket Statistics table.** This is a screenshot from your Bitbucket team repository showing commits by each team member.
4. **Individual Project Requirements** (explained in Project 1 Tasks section)
 - a) For Project 1, include a **short paragraph**.
 - b) For Project 1, include a **glossary**.
 - c) For Project 1, include a **Use Case diagram**.
 - d) For Project 1, include **Use Case descriptions**.
 - e) For Project 1, include **Story Selection Matrix**
 - f) For Project 1, include **2 Generic Security User Stories**

Submission instructions:

1. The TeamX_Requirements folder should be compressed. Compress this folder to create a single ZIP file, also **called TeamX_Requirements**. The **TeamX_Requirements** ZIP file should have only the TeamX_Requirements files. To be sure, open your Zip file and inspect it before you submit the Zip file.
2. Only one team member (the submitter) shall submit the ZIP file.
3. **Submit the ZIP file in Blackboard.**
4. You may re-submit as many times as you wish before the deadline. The final submission will be the graded submission.

Project 1 Overview

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 taught in class. You will be responsible for providing a complete solution to the project including requirements elicitation, analysis, design, and implementation. For your convenience, **Project 1 is divided into five tasks**. Project 1 focuses on the requirements flow.

Project 1 Tasks

1. Detailed written solution. Include **a short paragraph**. This paragraph should include the name of the project, a brief description of the customer company, the names of team members, the length of project and the programming language for the project. This paragraph should specify any extra assumptions or your own clarifications if needed. Then for each task, describe your solution. This paragraph should have explicit references to all submitted files as well as inline inclusion of images. Failure to produce this paragraph will result in a penalty of 5% on your total grade. Identify who the submitter is for the Report.html as well. **There is no specified number of words for this paragraph.**

2. After you get familiar with the domain of ChocAn, **produce a glossary consisting of key terms and their brief explanation.**
3. Identify the different Use Cases and **draw a UML Use Case diagram** of the system using UMLentino. Try to use various features of use cases such as extends and includes.
4. For each Use Case, **write the description of the Use Case** in the Report.html. Make sure your use case labels in your diagram and use case description names match. Use Case descriptions should follow the 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. Write step 1.
 - 1.1. Write step 1.1.
2. Write step 2.
3. Write 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.

5. **Recreate the Story Selection Matrix** from “The Secure Agile Development Lifecycle. Answer each question according to this project to determine if a user story applies. Identify and **include two Generic Security User Stories** from the Appendix to apply to this project.
6. Be sure you have used Bitbucket to collaborate. TA’s should see commits by each team member in your team repository.

Project 1 Goals and Grading

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

- Team Header Table and Task Distribution Table in team report (5% penalty for the team)
- Member HTML files (5% penalty for the individual student. **NOT TEAM**).
- Short paragraph (5% penalty if not included)
- Glossary (5%)
- Image & data files of your Use Case diagram using UMLentino (20%)
- Use Case descriptions (45%)
- Story Selection Matrix (10%)
- 2 Generic Security User Stories (10%)
- Bitbucket statistics image (5%).
- Late submission (-10 pts.)