Deadline: October 13, 2023 before Noon

Practical inform	ation
□ Ask your	questions on Slack or make an appointment to meet with the TA.
•	s Assigned.
□ Each tea	m submits only <i>one full solution</i> .
☐ The subnadditional should have the composite of the co	nission should consist of a simple <b>HTML file</b> (called report.html) and any all file required (.java, .txt, .jpg and whichever other files you want to submit). It ave explicit references to all submitted files as well as inline inclusion of images. ader of the report file, you must specify: the name of the student, student's udent's email address and the time spent on the assignment (in hours, for I purposes). Your solution should be entirely included in the body of the report ify any extra assumptions or your own clarifications if needed. Then for each cribe your solution in the form of a report.
=	rt.html must be a complete report. Failure to producing this report will result alty of 5% on your total grade.
not be ac should h	itted files should be referred to from within the report file; otherwise, they will excessible during grading! Create a ZIP file archiving all your files. The archive ave only a folder as its root. The folder and the archive must have the same about the ZIP file in Blackboard.
submitte submitte	Ise group submission in this project. Only one team member (a different r than Project 1) shall submit the full solution (as a ZIP file). Mention who the r is in the <b>Header table</b> . Additionally, the Report.html must include a <b>Task</b> ion table. This table should outline all the tasks performed and what
percenta	ge each team member contributed. If the balance is not evenly spread among
all, the g	rades for each team member may differ. The Report.html solution folder will
also inclu	ıde project tasks listed below.
□ <b>E</b>	ach team member must have their own Report.html (using the format of:
	irstNameLastNameTeamXReport.html, in the team's solution ZIP file)
	/ith only the <b>Header table</b> (submitter identified), <b>Task Distribution table</b>
•	affirming that you all agree on it), members original Stereotype Diagram, and
	nembers original Activity Diagram. All images must be visible or there will be a
	oint deduction.
	nission medium is Blackboard.
□ You may	re-submit as many times as you wish before the deadline passed.
<b>Goals</b> This assignment Stereotyped Clas	will make you familiar with the analysis of requirements and UML Activity & as diagrams.

# Goa

The grading scheme is as follows:

Analysis description	on (10%)	۱
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<sup>☐</sup> Image & datafiles of your Stereotyped Class diagram using UMLentino (20%)

	Image & datafiles of your Activity diagrams using UMLentino (65%)	
	Bitbucket statistics (5%)	
Upload all images, datafiles, source files and result files to Blackboard and provide links to all of		
them from yo	ur Report.html file. Also, include any additional information the TA might require	
to correct the	assignment. Your submission should consist of one directory called:	

## **Assignments**

TeamX\_Analysis (ex. Team 13\_Analysis).

Given the requirements, you have gathered for the Chocoholics Anonymous (ChocAn) project, in this assignment, you will perform the analysis of the system.

### Task 1

Now that you are familiar with the functional model of the ChocAn project, you need to estimate roughly what is needed for the system to operate. In a paragraph of 100 words (+/-10%), estimate the following:

10/0/, estimate the following.		
_ \	What sections will be computerized and how;	
_ \	Where the data will be stored;	
_ \	What hardware will be needed;	
	How the ChocAn system you develop will interact with other systems;	
	How users will interact with the system.	
Note th	at you are not required to perform a structured system analysis as in your textbook.	

## Task 2

Produce the object model of the ChocAn system by extracting the entity, boundary, and control classes. Draw a UML stereotyped class diagram of the system which shows the classes you identified, the data they require as attributes of these classes, and the relationships between the classes.

### Task 3

Produce the dynamic model of the ChocAn system by showing the workflow of the different activities and actions the system should do. Draw one main UML activity diagram without extends or includes and draw one activity diagram per use case with the appropriate extends or includes for that use case. Note that you may need to revise the use cases previously produced during Project 1 as you are gaining more and more insight on what the system should be and how it should behave. Since you have studied agile development, there is a change to the use cases.

<u>Agile Update 1:</u> Verify User (Operator, Manager, Provider) is new that must be included from this point forth.

<u>Agile Update 2</u>: Include the two (2) selected generic security user stories into your activity diagrams.

## **Additional Resources**

The UML tool to use is UMLentino. Export you diagrams as PNG image files.

Updated: 10/3/23