

Team Information

Team ID	34
Team Repo on GitHub	https://github.com/HUANG-Haolun/COMP3111-GROUP34

Name (Member 1)	HUANG Haolun
GitHub ID	HUANG -Haolun
Email ID	hhuangbl@connect.ust.hk
Dev Branch	feature-input
Task Assignment	INPUT

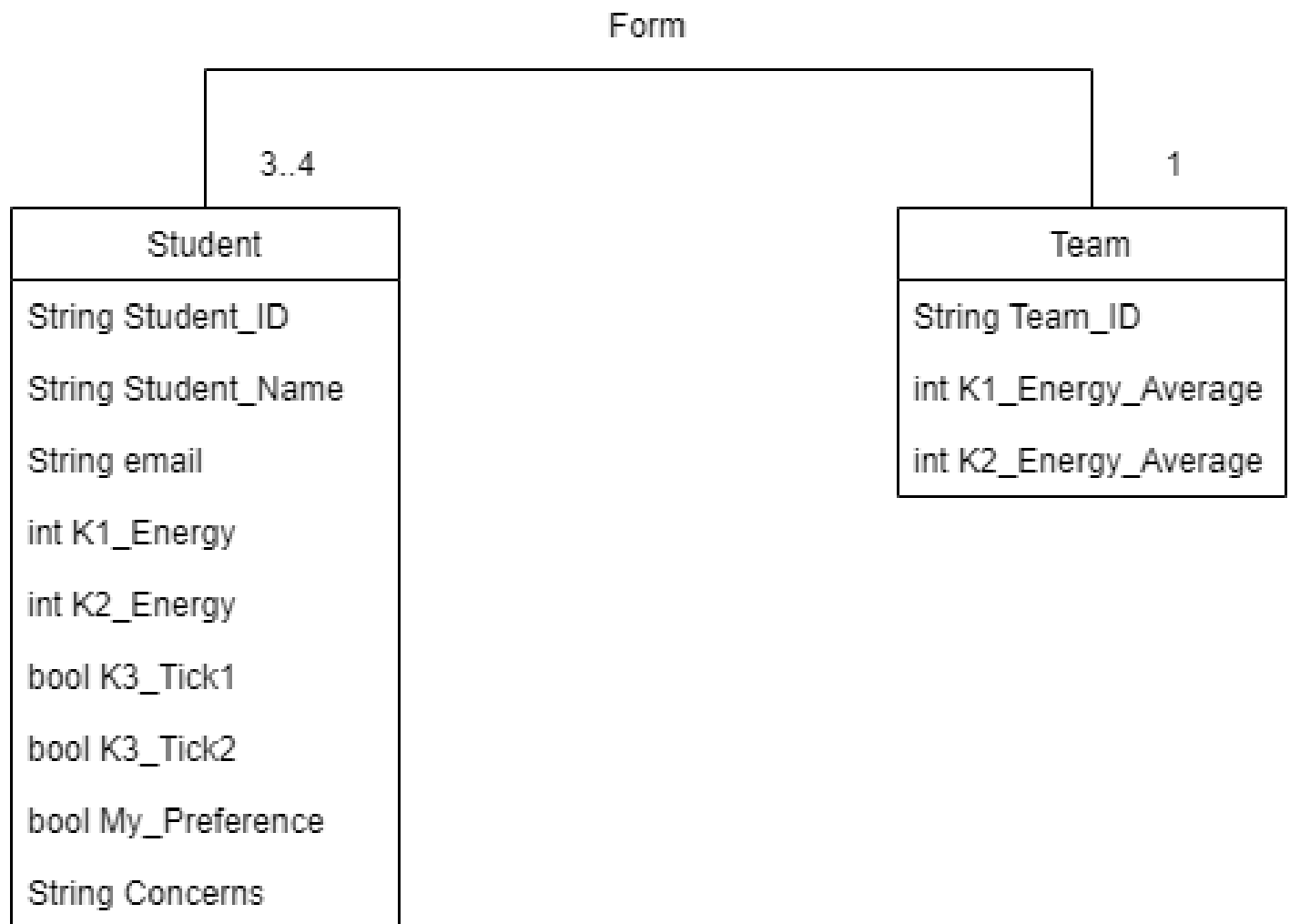
Name (Member 2)	JU Jonghyeon
GitHub ID	JJHyeon25
Email ID	jjuab@connect.ust.hk
Dev Branch	feature-process
Task Assignment	PROCESS

Name (Member 3)	HUANG Baixiang
GitHub ID	Xiaoyuanzi22333
Email ID	bhuangak@connect.ust.hk
Dev Branch ID	feature-output
Task Assignment	OUTPUT

Submitted by: HUANG Haolun

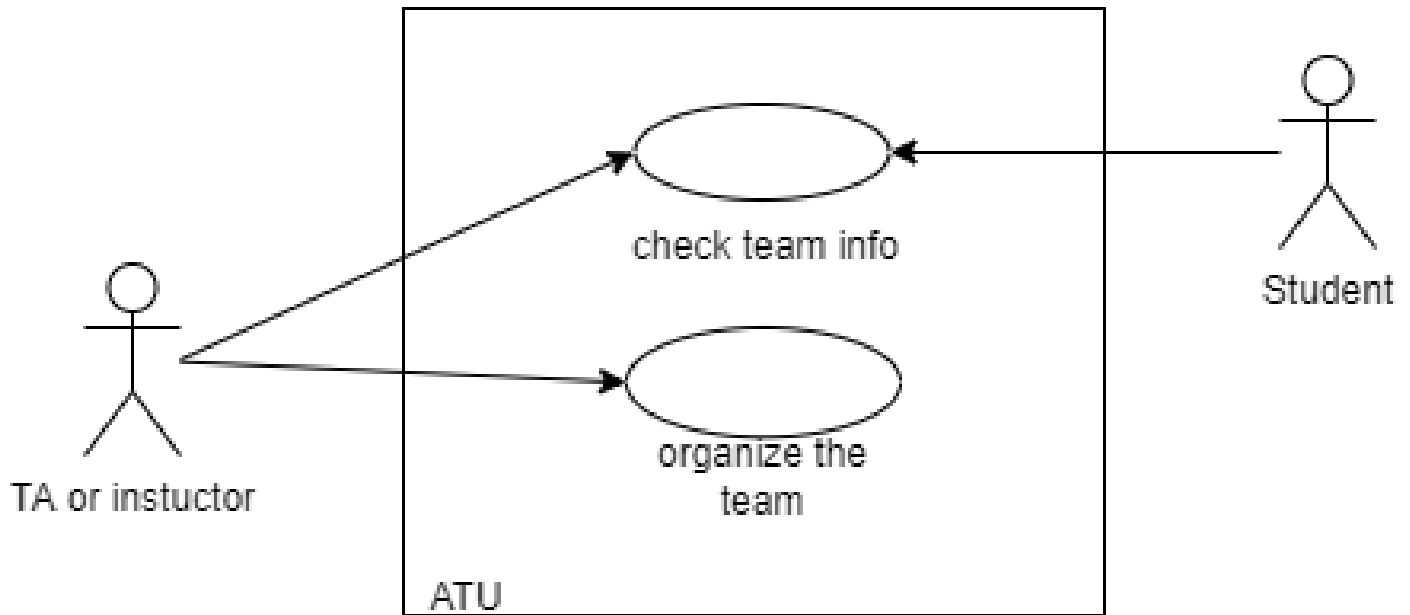
Date of Submission: 10/16

Class Diagram (for overall system)



Description: There are 2 classes in the system, the Student class and Team class. The student class has attributes accessed from the csv file and team class has attributes of team ID (name) and the average of K1 and K2 energy of team members. In each team, there must be 3 to 4 members and each student can only belong to 1 team.

Use Case Diagram (for overall system)



Description: There are two actors “TA or instructor” and “Student” and two use cases “organize the team” and “check team info”. The TA or instructor organizes the team by using the ATU engine, and can receive the team information from the system by typing the student's ID or name. The student can type their student ID or name to check their team’s information.

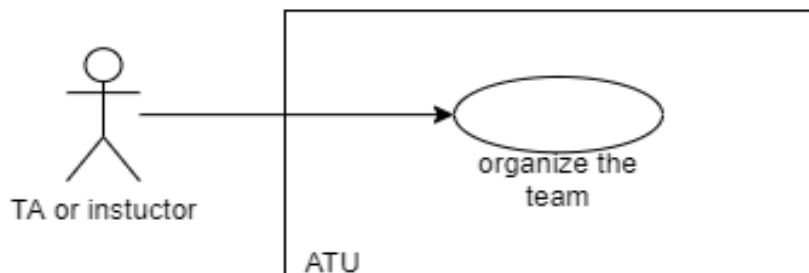
ATU: Use-case Detailed Specification

Use Case: Organize The Team

Brief Description

This use case describes how the instructor or TA initiates the ATU engine and organize the students to a team of three to four members.

Use-case Diagram



Basic Flow

1. Use case begins when the actor Instructor or TA starts the system by pressing a “Start” button.

{Ask csv file}

2. The system displays the interface to input a csv file.

{Insert csv file}

3. The instructor or TA input the csv file.

{Display the basic statistics}

4. The system calculates basic statistics and displays it by GUI.

5. The instructor confirms the statistics by pressing the “ok” button.

{Organize the team}

6. The system uses the algorithms to organize the teams and displays the message “Organizing done!”.

7. The use case ends.

Alternative Flows

A1: Invalid csv file

At **{Display the basic statistics}** if the entered csv file is in invalid format,

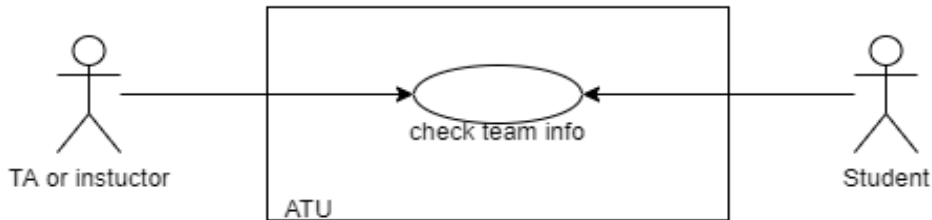
1. The system informs the TAs or instructor that the csv file is in invalid format.
2. The flow of events is resumed at **{Ask csv file}**

Use Case: Check Team Info

Brief Description

This use case basically describes how “students” or “TA or instructor” can use the ATU engine to view the members of the team and the team’s attributes.

Use-case Diagram



Basic Flow

1. Use case begins when the actor “Student” or the actor “TA or instructor” starts the system by pressing a “Start” button in online student inquiry service.

{Ask student id or name}

2. The system displays the interface to type in the student id or name.

{Insert student id or name}

3. The “student” or “TA or instructor” input student id or name.

{Show table}

4. The system shows outputs of a table showing team id, team members, and team’s average energy of K1 and K2.

5. The use case ends.

Alternative Flows

A1: Invalid student id or name

At {Show table} if the entered student id or name is invalid,

1. The system informs the student that the student id or name is in invalid format.

2. The flow of events is resumed at {Ask student id or name}

COMPONENTS OF PROJECT ASSESSMENT		
Task Id	Task Description	Name
100	Activity 1	
110	Project Setup	
111	Team Formation	HUANG Haolun, HUANG Baixiang, Ju Jong Hyeon
112	Task Allocation	HUANG Haolun, HUANG Baixiang, Ju Jong Hyeon
113	Team Repo Setup on GitHub	HUANG Haolun
120	System Requirement Specification	
121	Class Diagram	HUANG Haolun, HUANG Baixiang, Ju Jong Hyeon
122	Use Case Diagram	HUANG Haolun, HUANG Baixiang, Ju Jong Hyeon
123	Use Case Specification	HUANG Haolun, HUANG Baixiang, Ju Jong Hyeon
200	Activity 2	
210	Documentation: Project Management	
211	Meeting Minutes	HUANG Baixiang
212	Gantt Chart	Ju Jong Hyeon
213	Burndown Chart	HUANG Haolun
214	Git Commit Log	HUANG Haolun
220	Documentation: Implementation & Testing	
221	Unit Testing Report	Ju Jong Hyeon
222	Coverage Report	HUANG Haolun
223	Documentation with JavaDoc	HUANG Baixiang
230	Application Software Development	
231	Task 231A-INPUT	HUANG Haolun
	Task 231B- PROCESS	Ju Jong Hyeon
	Task 231C-OUTPUT	HUANG Baixiang
232	Implementation of Commendable Features beyond Basic Requirements for only COMP3111H Students	
233	Measurement on Team Collaboration works for (Task 231A+231B+ 231C)	

