



SEW206

Group 03 Project

Phase #1

(Non-functional requirements, Use case diagram, Use case description)

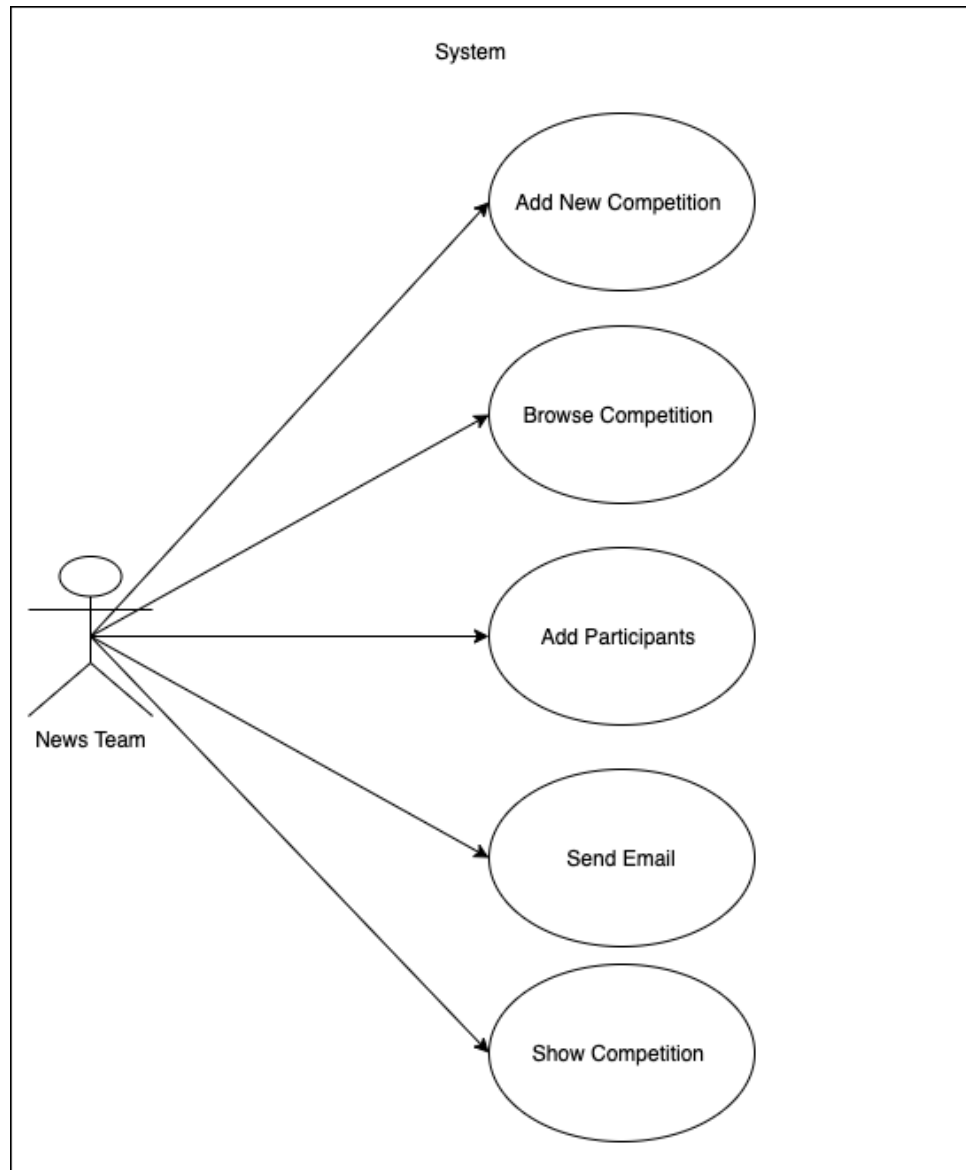
Group members

Name	ID
NAWAF ALOMARI	201931050
HADI JAFFAR AL MARZOOQ	201942950
HADI BASHEER AL SINAN	201912970
ALI HASSAN HARZ	201940350
SERAT MOAIYD AL MOQBEL	201931750

None-functional requirements:

- R1. Usability: Easy interface such that the user can achieve the end goals within 5 clicks.
- R2. Availability: The application should work without the internet, except for the browser.
- R3. Efficiency: The program should not consume CPU cores while writing the excel files.
- R4. The system should be implemented using java.
- R5. The system should work with most of email applications.
- R6. Maintainability: The code should be easy to read and easy to modify/extend/enhance.
- R7. Reliability: Handle data saving before crashes/sudden exist.

Use Case Diagram:



Use cases descriptions:

Use case ID:	1.1		
Use Case Name:	Add New Competition		
Created by:	Hadi Al-Marzooq	Last Updated by:	
Date Created:	11/8/2021	Last Revision Date:	
Actors:	News Team		
Description:	News team will add competitions with names and participants.		
Trigger:	Choose Add New Competition option from the main screen.		
Preconditions:	Competition must have a valid URL website to get data from it		
Postconditions:			
Normal Flow:	<ol style="list-style-type: none"> 1. User starts the session 2. User choose add new competition from the menu 3. System shows a form for the user 4. User MUST fill the required data, i.e., competition's name, date, participants, a valid URL for the competition's website. 5. System validates the data 6. System shows competition successfully added and exits to the main menu 		
Alternative Flows:			
Exceptions:	5.a. URL is not valid 1. Program re-asks the user to enter a valid URL. 2. normal flow to step 5		
Assumptions:	News team are familiar with URL Errors.		
Notes and Issues:	<ol style="list-style-type: none"> 1. Number of participants must be declared. 		

Use case ID:	1.2		
Use Case Name:	Browse Competition		
Created by:	Serat Almoqbel	Last Updated by:	Serat Almoqbel
Date Created:	3/11/2021	Last Revision Date:	5/11/2021
Actors:	News team		
Description:	Browses the competition website, given a proper URL.		
Trigger:	The actor clicks on the browse competition button.		
Preconditions:	The actor has the URL of the competition. The actor has slight experience of using browsers.		
Postconditions:			
Normal Flow:	<ol style="list-style-type: none"> 1. The actor clicks the browse competition button. 2. Program prompts the actor to enter competition URL. 3. Actor enters URL. 4. Actor clicks 'open'. 5. Program verifies URL structure. 6. Program opens a new browser window. 7. Program loads the URL. 8. The competition web-page is fully loaded. 9. The actor browses the webpage. 10. The actor closes the browser window. 		
Alternative Flows:	<p>5a. The entered link violates the URL structure.</p> <ol style="list-style-type: none"> 1. The program shows an error message indicating the URL is incorrect. 2. Go back to normal flow step 2. <p>8a. The competition webpage is only partially loaded.</p> <ol style="list-style-type: none"> 1. The program suggests to the actor to refresh the page. 2. The actor clicks on the refresh icon. 3. Go back to normal flow step 7. 		
Exceptions:	<p>7a. Program fails to load URL.</p> <ol style="list-style-type: none"> 1. Program shows error message indicating that the URL couldn't be loaded. 2. Go back to normal flow step 2. 		
Assumptions			
Notes and Issues:			

Use case ID:	1.3		
Use Case Name:	Add Participant		
Created by:	Nawaf Alomari	Last Updated by:	
Date Created:	6/11/2021	Last Revision Date:	
Actors:	News team		
Description:	The ability for the News team to add participant to an existent competition.		
Trigger:	Chose Add Participant option from the main screen.		
Preconditions:	The competition is already created. The student info is available to be added by the news team.		
Postconditions:	The student/team will be added to the program successfully		
Normal Flow:	<ol style="list-style-type: none"> 1. User chose a competition 2. The user chose Add participant. 3. The program provides a screen to enter either single student info or a team info based on the competition settings. 4. For a single student the user enter the name, id, and ranking of the student. 5. The user hit save 6. The student is added to the competition. 7. The program back to the competition screen. 		
Alternative Flows:	4.a. <ol style="list-style-type: none"> 1. The user enter the team number 2. The user enter the number of students in the team. 3. The user enter each student info (id , name) 4. The user enter the team ranking in the competition 5. Back to normal flow step 5 		
Exceptions:			
Assumptions:	The student info available.		
Notes and Issues:	There is two types of the competitions, either a single participant or a team.		

Use case ID:	1.4		
Use Case Name:	SendEmail		
Created by:	Hadi Alsinan	Last Updated by:	
Date Created:	6/11/21	Last Revision Date:	
Actors:	News team		
Description:	The System sends out emails to the participants [students/teams] congratulating on their achievements and includes the ranking that they have achieved followed by a friendly message		
Trigger:	Press send email to all participants		
Preconditions:	<ol style="list-style-type: none"> 1. A completion must be made 2. All rankings must be added to each team/student 		
Postconditions:	An email is sent to each participant		
Normal Flow:	<ol style="list-style-type: none"> 1.The news team presses “send email to all participants” 2.System opens default email app 3. System gets the email via the id of the student 4.System sets the subject of the email to “Congratulation on achieving [ranking] place in [competition name]” 5. System prepares custom email message via a specified templet given by the News team of the event containing (Student name, Ranking achieved) 6.System sends out email 		
Alternative Flows:	4.1. if it was a team based competition it will have the team name rather than the student name		
Exceptions:			
Assumptions:	All participants are from KFUPM and have entered their ID correctly		
Notes and Issues:	Are all the participants undergraduate students ?		

Use case ID:	1.5		
Use Case Name:	Show Competition		
Created by:	Ali HARZ	Last Updated by:	
Date Created:	6/11/2021	Last Revision Date:	
Actors:	News team		
Description:	The ability for the Competitions Advisor to view the existent competitions.		
Trigger:	Choose Show competitions option from the main screen.		
Preconditions:	The competition is already created.		
Postconditions:			
Normal Flow:	<ol style="list-style-type: none"> 1. The User Starts the session. 2. The program shows the menu at the homepage. 3. The user selects show competitions. 4. The system shows the competitions. 5. The user goes back to the homepage. 		
Alternative Flows:	<ol style="list-style-type: none"> 4.a. <ol style="list-style-type: none"> 1. There are no competitions. 2. The program shows a message says, "there are no competitions". 4. The user can go back to normal flow step 5. 		
Exceptions:			
Assumptions:	The competition exist		
Notes and Issues:			