Identifier	UC-1
Name	Registration
Description	This use case stores the user credentials.
Priority	High
Actors	Users
Pre-condition(s)	None
Post-condition(s)	User credentials shall be saved into the system.

Typical Course of Action		
S#	**Actor Action**	**System Response**
1	User enters name.	
2	User enters username	
3	User enters the University name.	
4	User enters email id.	
5	User enters password.	
6	User presses the Register button.	System directs the user to the home page.

Alternate Course(s) of Action		
1a	User forgets to enter their name.	System displays message "Enter Data in the name field".
1b	User enters alpha-numeric data	System displays "Invalid name"
2a	User forgets to enters username	System displays message "Enter Data in the username field".
2b	User enters an already existing username.	System displays "Try Another username.".
3a	User doesn't Enters University name in the field.	System displays message "Please Enter University name."
4a	User forgets to enter email	System displays message "Enter Data in the Email field".
4b	User entered invalid email domain	System displays "Domain does not exist <@domain name.com>".

5a	User forgets to enter password	System displays message "Enter Data in the password field".
5b	User enters an Alphabetic password	System displays message "Please Enter Alphanumeric Data."
5c	User entered Password doesn't contains Special Character.	System displays message "Password must contain a Special Character"
5d	User enters a password less then 8 characters.	System displays message "Password Length Must be greater then 8 characters."

Identifier	UC-2
Name	Login
Description	This use case verifies the user credentials.
Priority	High
Actors	Users
Pre-condition(s)	Register
Post-condition(s)	User shall be logged in to the system.

	Typical Course of Action	
S#	**Actor Action**	**System Response**
1	User enters username.	
2	User enters password.	
3	User presses login button.	System directs the user to the home page.

	Alternate Course(s) of Action	
1a	User forgets to enter the username	System displays message "Username field empty".
1b	User entered unmatched username.	System displays "Wrong username or password".
2a	User forgets to enter password	System displays "Password field empty".
2b	User enters wrong password	System displays "Wrong Password".

Identifier	UC-3
Name	Join Competition
Description	This use case allows the participant to take part in a competition.
Priority	Medium
Actors	Participant
Pre-condition(s)	Participant must be Logged into the System. A Competition must exist for the participant to join.
Post-condition(s)	Participant must Solve the Questions of the Competition.

	Typical Course of Action	
S#	Actor Action	System Response
1	Participant can select available Competitions.	
2	Participant presses the join Competition button.	System displays " You have taken part in <Competition Name> . you will be notified 30 minutes before the competition begins. "
3	Participant must solve Question(UC-4).	
4	Participant can view marks(UC-5).	System displays "Your marks : <marks>"
	Alternate Course(s) of Action	
1a	Participant wants to view Competition but no competition is available.	System displays message "No Competition Available".
2a	Participant presses the join Competition button.(if the participant limit has been reached.)	System displays "Competition has reached to its Maximum Participant Limit.".
3a	Participant must attempt one question.	
4a	Participant view marks but has not attempted any Question.	System displays" No Question Attempted".

Identifier	UC-4
Name	Solve Question
Description	This use case allows the Participant to Solve Question given in the Competition.
Priority	Medium
Actors	Participant
Pre-condition(s)	Participant must be logged in to the System. Participant must join a Competition.
Post-condition(s)	Marks will be Awarded to the Participant depending on their Solution.

Typical Course of Action		
S#	**Actor Action**	**System Response**
1	Participant will enter its Solution in the Solution Field.	
2	Participant presses "upload solution" button	system displays "Your Solution has been uploaded"
Alternate Course(s) of Action		
2a	Participant presses "upload solution" button without entering any data	system displays "Please enter data Solution"
2b	Participant presses "upload solution" button with an Error in the Solution.	system displays "<Error in the Solution>"

Identifier	UC-5
Name	View Marks
Description	This use case allows the Participant to view the marks of the uploaded solution.
Priority	low
Actors	Participant
Pre-condition(s)	Participant must be logged in to the System. Participant must join a Competition. Participant must have uploaded a Solution.
Post-condition(s)	-

	Typical Course of Action	
S#	**Actor Action**	**System Response**
1	Participant presses "view marks" button.	system displays"You Got <Your marks> marks in this Question".

	Alternate Course(s) of Action	
1a	Participant presses "view marks" button but has not uploaded any Solution.	system displays "No Solution Uploaded".

Identifier	UC-6
Name	Comment on post
Description	This use case allows the Users to comment on posts of other users
Priority	Low
Actors	Users
Pre-condition(s)	a post must already exist
Post-condition(s)	the comment can be viewed by other Users

	Typical Course of Action	
S#	**Actor Action**	**System Response**
1	Users can view comments.	
2	Users can add comments.	System displays your new comment in the comment section

Identifier	UC-7
Name	Create a post
Description	This use case allows the Users to upload statements of questions and queries
Priority	low
Actors	Users
Pre-condition(s)	User must be logged in
Post-condition(s)	the post will be visible to the other users

Typical Course of Action		
S#	Actor Action	System Response
1	User will enter questions or queries in a post field	
2	User presses "upload" button	system displays "Your post has been uploaded"
Alternate Course(s) of Action		
2a	User clicks upload without entering any data	system displays "Please enter data before uploading"

Identifier	UC-8
Name	Add Practise Questions
Description	This use case allows the Users to add questions for other users to practice
Priority	Medium
Actors	Users
Pre-condition(s)	User will select the topic and enter the output of the question The user must be logged in
Post-condition(s)	The practise question will be available to the other users

	Typical Course of Action	

S#	Actor Action	System Response
1	Users will select the topic of the question	System displays all options available on the app
2	User will enter the statement of the question	
3	Users will enter the output of the question.	
4	User will enter a sample input/output	
5	User will press the "Upload Question" button.	System displays "your question has been uploaded"

	Typical Course of Action	

S#	Actor Action	System Response
2a	User does not enter the statement of Question.	System displays "Enter statement"
3a	User does not enters output.	System displays "Enter output in the Output field".
4a	User does not enter a sample.	system displays "Enter atleast sample input and output".
5a	User press the "Upload Question" with missing fields	system displays "Enter data in all necessary fields"

Identifier	UC-9
Name	Answer practise Questions
Description	This use case allows Users to answer the added practice questions
Priority	Medium
Actors	Users
Pre-condition(s)	The user must be logged in. The practise Question must be available
Post-condition(s)	The Answer will be visible to all users

	Typical Course of Action	
S#	**Actor Action**	**System Response**
1	The User will select the question they want to answer	The system will highlight the question being answered.
2	User will enter the answer to the specific question	The system will store the answer and it will be available to all other users.
3	User will upload the answer by Pressing upload Answer Button	system will give points to the users accordingly.
	Alternate Course(s) of Action	
1a	User wants to select the Question but, no question is available.	System Displays"No Question Available".
2a	User presses "Upload Answer" without entering Answer.	system displays"Enter Answer"
3a	The user uploads the wrong answer	system matches the answer and displays "wrong answer". No points will be added

Identifier	UC-10
Name	Manage Ranking of User
Description	This use case allows the system to rank the users
Priority	High
Actors	System
Pre-condition(s)	User must have answered some practise questions
Post-condition(s)	The leaderboard will update accordingly

Typical Course of Action		
S#	Actor Action	System Response
1	The system will add to points according to the answered practise questions(UC-8)	The system update the leaderboard accordingly

Alternate Course(s) of Action		
1a	System receives no user to manage Ranking.	system displays "no Enough Data to make Leaderboard".

Identifier	UC-11
Name	Create Competition
Description	This use case allows the Host to Create Competition for the Participant.
Priority	High
Actors	Host
Pre-condition(s)	Host must be logged in
Post-condition(s)	The Competition will be available for the Participants to join.

Typical Course of Action		
S#	Actor Action	System Response
1	Host enters the Name of the Competition.	
2	Host selects the topic of the Competition.	
3	Host adds Questions of the topic in the Quiz Competition.	
4	Host presses the "Add Competition" Button.	System Displays " Competition Added"
5	Host will Manage the Competition.	
Alternate Course(s) of Action		
1a	Host left the Name of Competition field Empty.	system displays "Please enter the Name of the Competition."
3a	Host left the Question field Empty	system displays "Please add at least 1 Question in the Competition."
4a	Host forget to fill any field	system displays "Please fill All the fields."

Identifier	UC-12
Name	Manage Competition
Description	This use case allows the Host to Manage Competition created for the Participants
Priority	High
Actors	Host
Pre-condition(s)	Host must be logged in Host must have created the Competition.
Post-condition(s)	Host will be able to start the Competition.

	Typical Course of Action	
S#	**Actor Action**	**System Response**
1	Host can view Competition details by Pressing "View Competition" button.	System displays"<Name of the Competition> , <Topic of the Quiz> , <Questions> , <No. of Participants>"
2	Host will be able to Review the Question uploaded by the participants.	system displays the Uploaded solutions of the Participants.
3	Host will post the Result of the Competition.	system will show the Result on the Leaderboard of the Competition.
	Alternate Course(s) of Action	
2a	Host tries to Review the Solutions before the Competition ends.	system display"Review will be available when the Competition ends"

Identifier	UC-13
Name	View Competition
Description	This use case allows the Host to View Competition Details.
Priority	Low
Actors	Host
Pre-condition(s)	Host must be logged in Host must have created the Competition.
Post-condition(s)	-

	Typical Course of Action	
S#	**Actor Action**	**System Response**
1	Host will click on the "view Competition" Button	System displays"<Name of the Competition> , <Topic of the Quiz> , <Questions> , <No. of Participants>"

Identifier	UC-14
Name	Review Competition
Description	This use case allows the Host to Review Competition Question and evaluate each Solution.
Priority	High
Actors	Host
Pre-condition(s)	Host must be logged in Host must have created the Competition. Competition time must have Ended
Post-condition(s)	Host will be able to post the result of the Competition.

Typical Course of Action		
S#	Actor Action	System Response
1	Host presses the "Review Question" button.	system displays the Uploaded solutions of the Participants.
2	Host marks each participant Solution.	system displays"marks Uploaded"
Alternate Course(s) of Action		
2a	Host presses the "Review Question" button,before the Competition ends.	system display"Review will be available when the Competition ends"

Identifier	UC-15
Name	Post Result
Description	This use case allows the Host to Post the Result of the Solution Provided by the Participants
Priority	High
Actors	Host
Pre-condition(s)	Host must be logged in Host must have created the Competition. Competition time must have Ended All the solutions are Marked.
Post-condition(s)	Participants will be able to See their Result.

	Typical Course of Action	
S#	**Actor Action**	**System Response**
1	Host presses the "Post Result" button.	system displays Result of the Competition"<Participant name> got <number>marks".

Identifier	UC-16
Name	Manage Ranking of the Competition
Description	This use case allows the Host to Manage Competition ranking.
Priority	Medium
Actors	System
Pre-condition(s)	Competition must have Started.
Post-condition(s)	Live LeaderBoard will be shown to the Participant

Typical Course of Action		
S#	Actor Action	System Response
1	Participant will be able to see the live ranking of the Competition.	system displays live Ranking of the Participants performance in the Competition.
2	System will make a Leaderboard of the Competition.	System displays the Leaderboard with username and performance.

Identifier	UC-17
Name	Make Leaderboard
Description	This use case allows user to see Other Participant's Performance..
Priority	Low
Actors	System
Pre-condition(s)	Competition must have created. Competition must have started
Post-condition(s)	-

Typical Course of Action		
S#	Actor Action	System Response
1	System show the ranking of the Participants.	system displays Result of the Competition"<Participant name> <performance>".