CAPSTONE PROJECT REPORT

MOHS - Major Orientation to High School Students

Report 3 – System Requirement Specification

MOHS Team	
Group Members	Huynh Thanh Tien – SE130550 Hoang Anh Thang – SE130566 Le Hieu – SE130621 Vo Huynh Duc Minh – SE130676
Supervisor	Mr. Kieu Trong Khanh
Ext Supervisor	N/A
Capstone Project code	SU21SE11

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I. System Requirement Specification

1. User Requirements
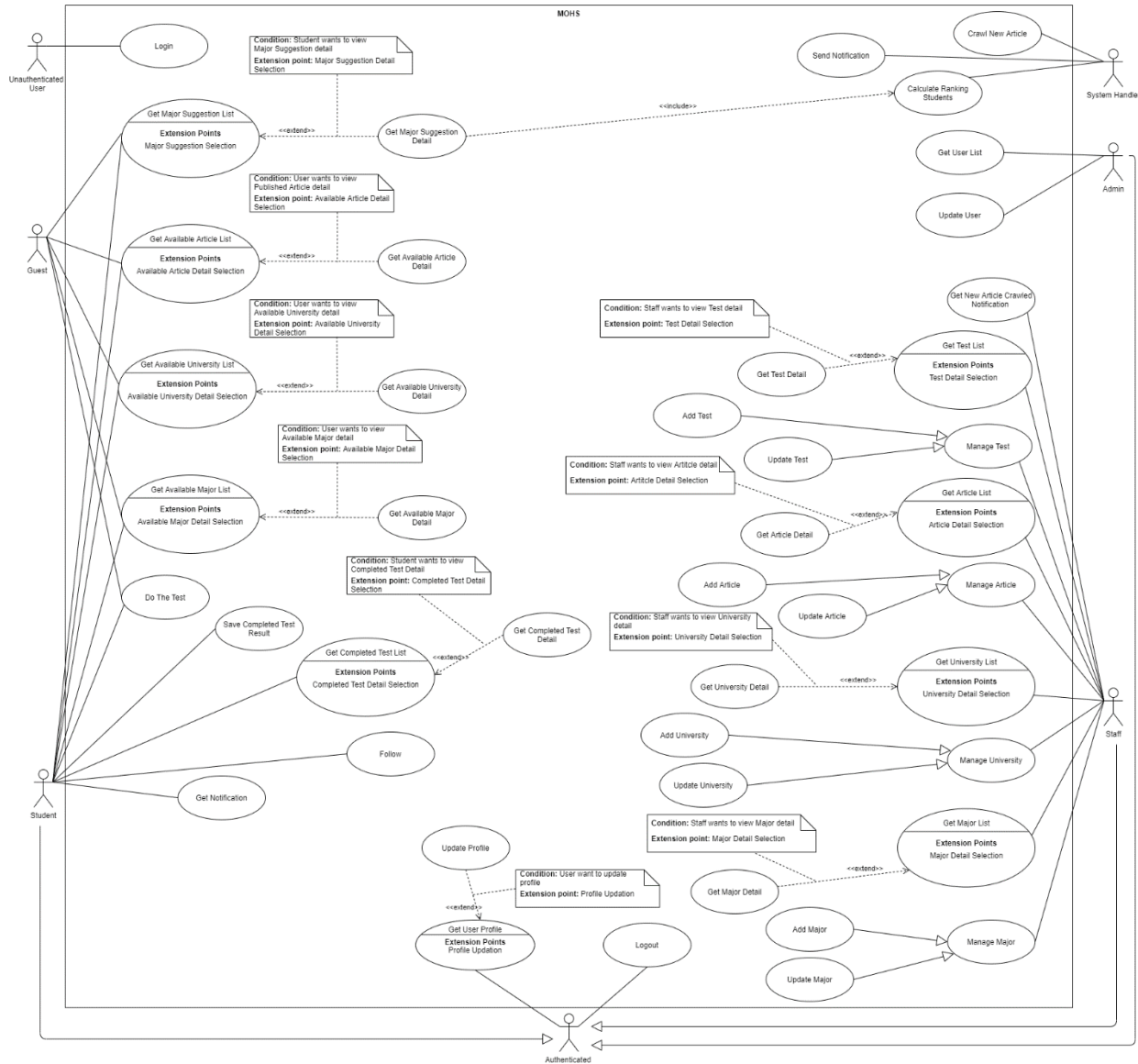
1.1 Overview

1.1.1 Use Case

Figure 1.   <Overview Use Case> MOSH Use Case Diagram

1.1.2 System Actors

#	Actor	Description
1	Unauthenticated User	Users have not logged in to MOHS
2	Guest	The guest visits the website with the intention of surfing through the admission information
3	Student	Users have logged in to EAMS as student role
4	Staff	Users have logged in to MOHS as staff role
5	Admin	Users have logged in to MOHS as admin role
6	System Handler	MOHS system
7	Authenticated User	Users have logged in to MOHS

Table 1.   System Actor

1.1.3 Use Case List

ID	Use Case	Primary Actors	Secondary Actors
01	Login	Unauthenticated User	
02	Get Major Suggestion List	Guest, Student	
03	Get Major Suggestion Detail	Guest, Student	
04	Get Available Article List	Guest, Student	
05	Get Available University List	Guest, Student	
06	Get Available University Detail	Guest, Student	
07	Get Available Major List	Guest, Student	
08	Get Available Major Detail	Guest, Student	
09	Do The Test	Guest, Student	
10	Save Completed Test Result	Student	
11	Get Completed Test List	Student	
12	Get Completed Test Detail	Student	
13	Follow	Student	
14	Get Notification	Student	

15	Add Major	Staff	
16	Update Major	Staff	
17	Get Major List	Staff	
18	Get Major Detail	Staff	
19	Add University	Staff	
20	Update University	Staff	
21	Get University List	Staff	
22	Get University Detail	Staff	
23	Add Article	Staff	
24	Update Article	Staff	
25	Get Article List	Staff	
26	Get Article Detail	Staff	
27	Add Test	Staff	
28	Update Test	Staff	
29	Get Test List	Staff	
30	Get Test Detail	Staff	
31	Get New Article Crawled Notification	Staff	
32	Get User List	Admin	
34	Update User	Admin	
35	Calculate Ranking Students	System Handler	
36	Send Notification	System Handler	
37	Crawl New Article	System Handler	
38	Get User Profile	Authenticated User	
39	Update Profile	Authenticated User	
40	Logout	Authenticated User	

Table 2.   Use Case List

1.2 Login
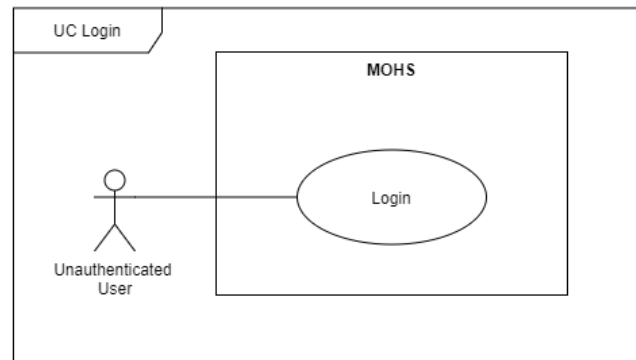
Figure 2.   <Unauthenticated User> Login

ID and Name:	**UC-1. Login**		
Created By:	ThangHA	Date Created:	26/05/2021
Primary Actor:	Unauthenticated User	Secondary Actors:	N/A
Description:	This feature determine user's identity, role, permissions, access more feature in the system		
Trigger:	Unauthenticated User sends a request to Login.		
Preconditions:	**PRE-1.** User's account is not blocked.		
Post-conditions:	**POST-1**. User can use the corresponding feature with account's role		
Normal Flow:	Step	Actor Action	System Response
	1	Unauthenticated User sends a request to Login	
			MOHS redirects user to the Authentication page where they can login using their Gmail account.
	2	User login using their Gmail account. [See exception 1]	
			MOHS shows a successful message to user. The system initial session for user.
Alternative Flows:	N/A		
Exceptions:	No	Cause	System Response
	1	The user's account is blocked by the system	MOHS returns to User that their account is blocked.
Priority:	Medium		
Frequency of Use:	Regularly		

Business Rules:	• User logs in using an Gmail account in order to use more system functions. If the Gmail is in the system and has the appropriate role, MOHS returns a token for users and redirect them to their corresponding home page. If the Gmail is not in the system, MOHS will insert new account with student role to database based on Gmail's information. User's login session lasts for 2 hours by default
Other Information:	In case of internet connection failure, user cannot access to the system.
Assumptions:	N/A

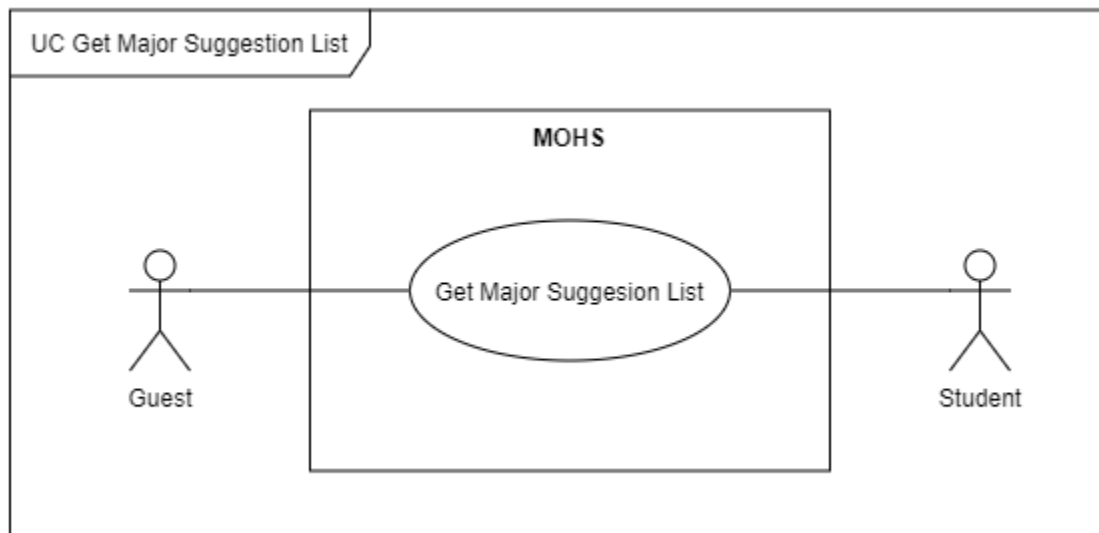*Table 3.   <Unauthenticated User> Login*

1.3 Get Major Suggestion List

Figure 3.   <Guest, Staff> Get Major Suggestion List

ID and Name:	**UC-2. Get Major Suggestion List**		
Created By:	ThangHA	Date Created:	26/05/2021
Primary Actor:	Guest, Student	Secondary Actors:	N/A
Description:	This feature allow user to get Major Suggestion List that suitable with user's score.		
Trigger:	Unauthenticated User sends a request to Login.		
Preconditions:	**PRE-1.** User's account is not blocked.		
Post-conditions:	**POST-1**. User can use the corresponding feature with account's role		
Normal Flow:	Step	Actor Action	System Response
	1	Unauthenticated User sends a request to Login	
			MOHS redirects user to the Authentication page where they

			can login using their Gmail account.
	2	User login using their Gmail account. [See exception 1]	
			MOHS shows a successful message to user. The system initial session for user.
Alternative Flows:	N/A		
Exceptions:	No	Cause	System Response
	1	The user's account is blocked by the system	MOHS returns to User that their account is blocked.
Priority:	Medium		
Frequency of Use:	Regularly		
Business Rules:	• User logs in using an Gmail account in order to use more system functions. If the Gmail is in the system and has the appropriate role, MOHS returns a token for users and redirect them to their corresponding home page. If the Gmail is not in the system, MOHS will insert new account with student role to database based on Gmail's information. User's login session lasts for 2 hours by default		
Other Information:	In case of internet connection failure, user cannot access to the system.		
Assumptions:	N/A		

Table 4.   <Guest, Student > Get Major Suggestion List