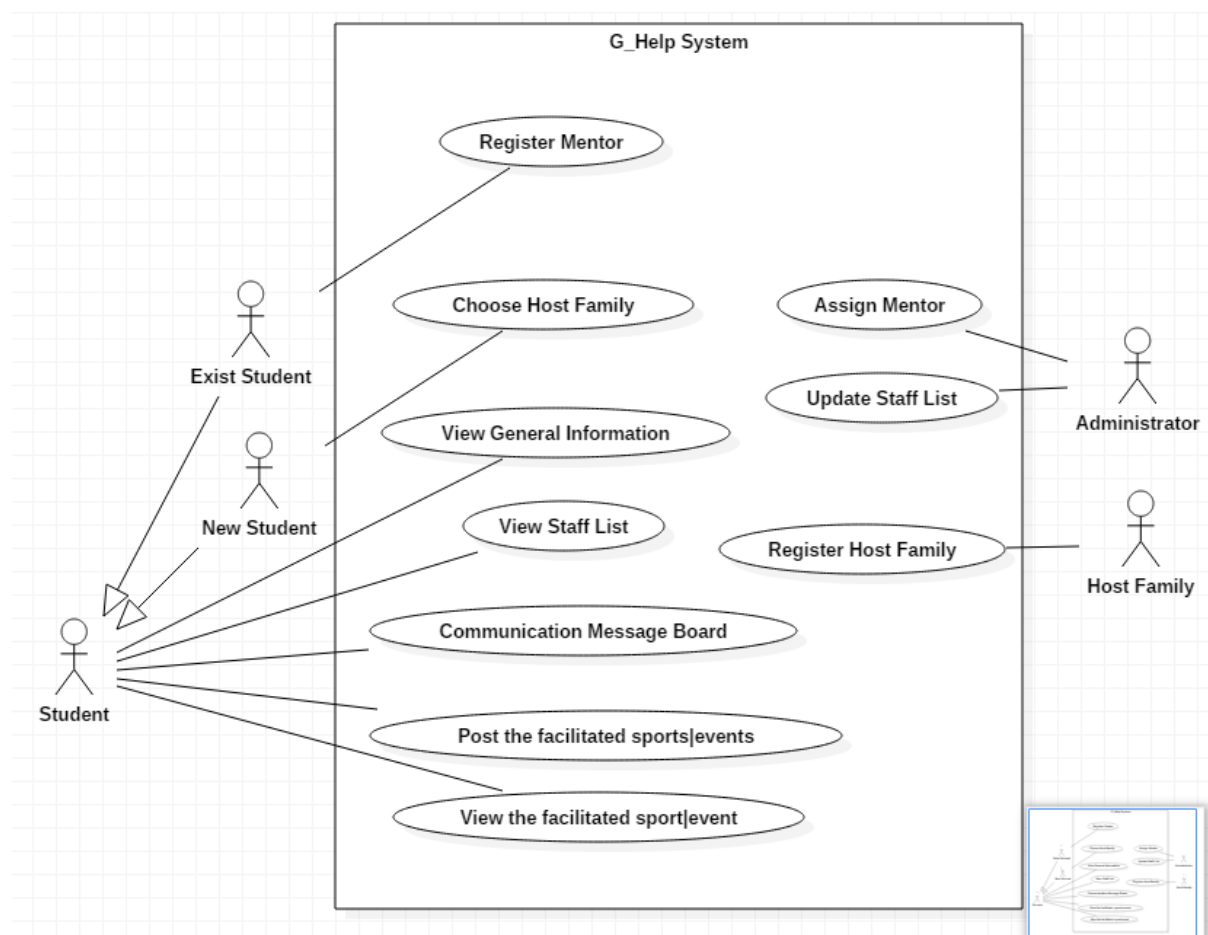


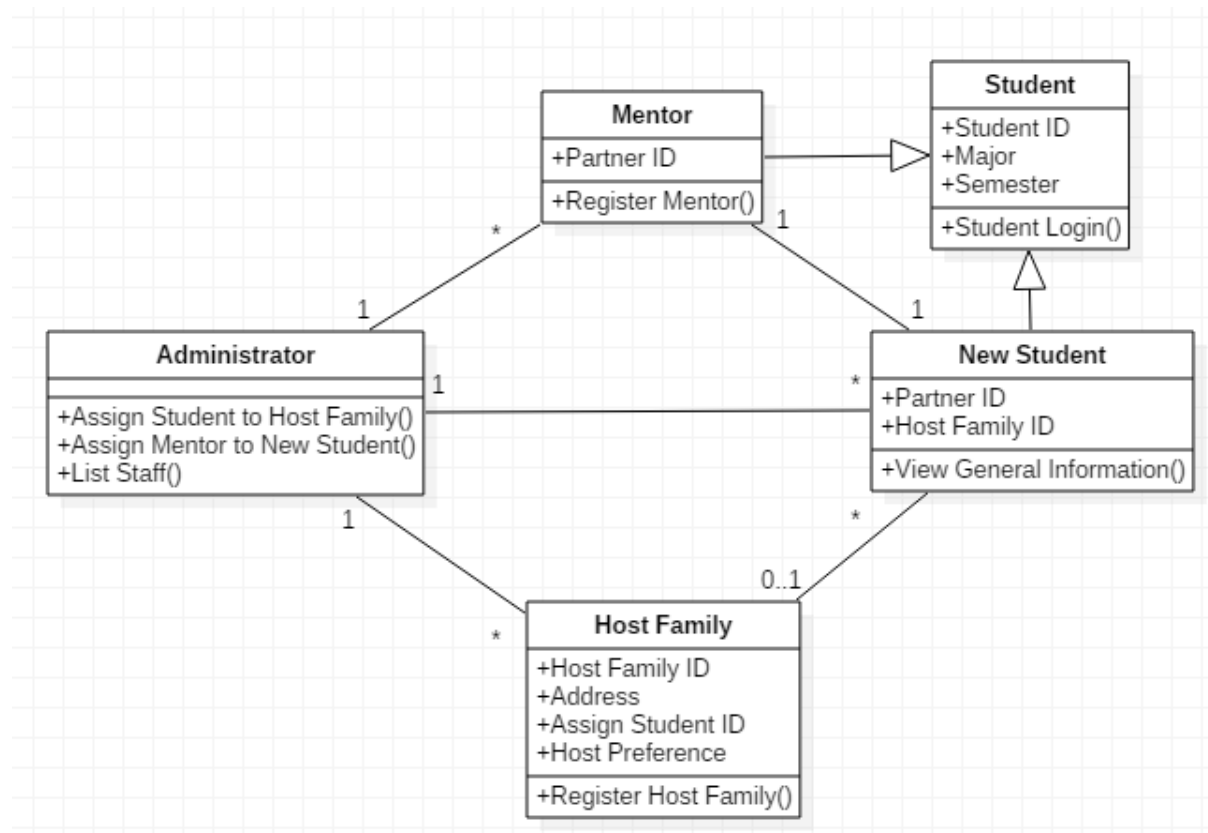
System Description:

Through this system, all students will be able to view their information such as personal information, academic grade and the events they like. They can choose their favorite events and put them into calendar; they can browse the information of staff of their departments and other research or any academic information to help them get familiar with school life better. Based on the criteria given by system, students reached the requirements could choose to register as mentors, and the administrator could assign those mentors to students, those mentors will also guide these new students through the whole semester. Also, the interested host family could register in system, and our system will list some host families to students by some rules, then students choose the host family, meanwhile the host family can choose to accept the students or not.

Use Case diagram



Domain Modeling



Detail description for Use Cases

1. Student Login

Name	Student Login
Description	A student uses their account and password to login. The account and default password comes from external system
Actor	Student
Entry Condition	The student is a MUN student
Exit Condition	The student are authenticated
Flow of the event	1. The student fill out the ID & Pass and then click the button for Login 2. Verify the information if the student submit the correct ID & Pass if yes, 3-1 Otherwise, 3-2 3-1. The system move to login page 3-2. Notice to the student that the information is incorrect
Exception	An error page in case of the system failure
Special Requirement	None

Entity Object	- Student
Boundary Object	- Login Interface (Text boxes and buttons)
Control Object	- Student Login / Student Authentication

2. View General Information

Name	View General Information
Description	After new students login, the students can view the general information. The information are housing, classes, instructors and research possibilities
Actor	Student
Entry Condition	Login, User access this page
Exit Condition	Show the general information page
Flow of the event	
Exception	The student is notified in case of the system failure or permission denied
Special Requirement	None

Entity Object	- Information of housing, classes, instructors and research possibilities
Boundary Object	- The general information interface page for new students
Control Object	- Display the general information

3. Register Mentor (Essential Use Case)

Name	Register Mentor
Description	A student apply to mentor so the student can be a mentor
Actor	Existing Student
Entry Condition	Login, User access this page
Exit Condition	A student is registered in the list of mentor
Flow of the event	<ol style="list-style-type: none"> 1. The student click the button for register 2. Moves to the page that display guideline for mentor and *criteria to be a mentor 3. Click the register button 4. Verify the information if the student meet the criteria if yes, 6-1 Otherwise, 6-2 5-1. The system add the student to the list of mentor and notice to the student that the student is successfully added to the list 5-2. Notice to the student that the student doesn't meet the criteria
Exception	None
Special Requirement	None

Entity Object	- Student
Boundary Object	- View page of guide line for mentor - Register button
Control Object	- Register Mentor

* Criteria: Students must have finished at least one year of their program

4. Assign Mentor (**Essential Use Case**)

Name	Assign Mentor
Description	Administrator assign mentor to new student. Mentors must be registered in advance
Actor	Administrator
Entry Condition	
Exit Condition	Mentors are assigned to New Students
Flow of the event	<ol style="list-style-type: none"> 1. In certain period of time (early of each semester), the system starts to match mentor and new student 2. Order the mentors by criteria, for example GPA, and select mentors with only the number of new students. 3. The system match one student to one mentor for every new students 4. The system notify them they are matched through e-Mail or can be seen from their login page
Exception	New students would be notified who are not assigned to a mentor. New students would not able to be assigned if the number of mentors are not enough than new students
Special Requirement	None

Entity Object	- Mentor, New Student
Boundary Object	- The general information interface page for students
Control Object	- Select mentors by criteria (Mentor filter) - Mentor and Student Match

5. Register Host Family (Essential Use Case)

Name	Register Host Family
Description	A family apply for host family so the family can host students
Actor	Host Family
Entry Condition	Host Family application form submitted
Exit Condition	A host family is registered in the list of host family
Flow of the event	<ol style="list-style-type: none"> 1. The family user click the button for application 2. The page moves to registration form page 3. The user fills out the form with *the user information 4. Click the submit button 5. Verify the information, if it is correctly filled, 6-1 Otherwise, 6-2 6-1. The system add the user to the list of host families and notice to the user that they are successfully added to the list 6-2. Notice to the user that their information is not proper
Exception	The user is alarmed if the form is not completely filled out
Special Requirement	None

Entity Object	- Host Family
Boundary Object	- Registration Form - Submit Button
Control Object	- Host Family Register

* User provide information: 'Date', 'Applying Semester', 'Name', 'Address', 'e-Mail', 'Phone #', 'Occupation', '*Preference', 'Message'

* Preference: Type of student host family is looking for. Host family list the 3 most important Characteristics such as country, language, sport/hobbies, religion, gender etc.

6. Choose Host Family (Essential Use Case)

Name	Choose Host Family
Description	A new student choose a host family from the list of host families
Actor	New Student
Entry Condition	Login, User access choose host family page
Exit Condition	A new student is assigned to the selected host family
Flow of the event	<ol style="list-style-type: none"> 1. The student click the button for dialog of the list of host families 2. The system find the families from the list based on predefined criteria so student only can see the satisfying families 3. The student click the select button for one family 4. The system assigned the student to the selected family as a host 5. The system send an e-Mail to the family to notify the family is select for host family
Exception	None
Special Requirement	None

Entity Object	- Host Family, Student
Boundary Object	- Host Family list page - Select Button
Control Object	- Host Family Assign

* Student information: 'Name', 'Major', 'Nationality', 'Language', 'Address', 'Phone #', 'e-Mail'

7. Post the facilitated Sport/Event

Name	Post the facilitated Sport/Event
Description	Students can post an event or view events
Actor	Student
Entry Condition	Login, Student access to the facilitated Sport/Event page
Exit Condition	Post an event, View the list of events
Flow of the event	<ol style="list-style-type: none"> 1. Students can click the “event ” button on the homepage after they login to open the event page 2. They can click the “post event” button to create an event 3. They will need to fill in a form for this event about the location ,time, content ,aiming group, and so on. 4. At the bottom part of this page, student can choose to add this event into a public calendar for future reminding
Exception	None
Special Requirement	None

Entity Object	- Event Information
Boundary Object	- View Button for the list of events - Events List View page - Post button to post an event
Control Object	- Post an event - Show the list of events

8. View the facilitated Sport/Event

Name	View the facilitated Sport/Event
Description	Students can see an event or view events
Actor	Student
Entry Condition	Login, Student access to the facilitated Sport/Event page
Exit Condition	Show the list of events
Flow of the event	
Exception	None
Special Requirement	None

Entity Object	- Event Information
Boundary Object	- Events List View page
Control Object	- Show the list of events

9. View Staff List

Name	View Staff List
Description	List *staff information so students can see from their login page
Actor	Student
Entry Condition	Login, Student access Staff List page
Exit Condition	Show the information of staff
Flow of the event	
Exception	None
Special Requirement	None

Entity Object	- *Staff
Boundary Object	- Staff List page
Control Object	- Staff List

* Staff information: name, department, position, e-Mail, room and telephone

11. Update Staff List

Name	Update Staff List
Description	Staff information is updated
Actor	Administrator
Entry Condition	
Exit Condition	Update the information of staff
Flow of the event	
Exception	None

Special Requirement	None
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Entity Object	- *Staff
Boundary Object	- Staff List page
Control Object	- Staff List Update

12. Communication Message Board

Name	Communication Messages Board
Description	Students can communicate through leaving messages on Board
Actor	Student
Entry Condition	Login, User access message board page
Exit Condition	Message Board page
Flow of the event	<ol style="list-style-type: none"> 1. Students click “message board” button on the homepage after they login to open the message board page. 2. The messages left on this page will be organized by the order of time and the titles. 3. Students can click the titles of message to review the detail. If they are interested in the message they can directly reply. 4. Students can also choose to leave a message by click the button “leave a message” on the top of the page . 5. They will go in to the page for creating a message, here body part for the message and provide their information on information part(optional)
Exception	None
Special Requirement	None

Entity Object	- Message Board
Boundary Object	- Message Board page
Control Object	- Message Board view