

### Use Case 1:

<b>Use Case Name</b>	Log in/Log out/Register
<b>Description</b>	Enables a student to log in to their account, log out, or register a new account.
<b>Actor</b>	Student
<b>Preconditions</b>	The student has access to the application.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student opens the application.</li><li>2. The student selects "Log in" or "Register."</li><li>3. If registering, the student provides the required information (e.g., name, email, password).</li><li>4. The system authenticates the student or creates a new account.</li><li>5. The student gains access to their account.</li></ol>
<b>Postconditions</b>	The student is logged in or has created an account.

### Use Case 2:

<b>Use Case Name</b>	Manage Profile
<b>Description</b>	Allows a student to update their personal information and preferences.
<b>Actor</b>	Student
<b>Preconditions</b>	The student is logged in.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student navigates to the profile section.</li><li>2. The student updates personal information (e.g., name, contact details, preferences).</li><li>3. The system validates the information and saves the changes.</li></ol>
<b>Postconditions</b>	The profile information is updated.

### Use Case 3:

<b>Use Case Name</b>	Search
<b>Description</b>	Enables the student to search for universities, programs, or resources.
<b>Actor</b>	Student
<b>Preconditions</b>	The student is logged in.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student enters keywords or filters for their search.</li><li>2. The system retrieves relevant results.</li><li>3. The student views the list of search results.</li></ol>
<b>Postconditions</b>	The system displays search results.

### Use Case 4:

<b>Use Case Name</b>	View Search Results
<b>Description</b>	Allows the student to view detailed information about search results.
<b>Actor</b>	Student
<b>Preconditions</b>	The student has performed a search.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student clicks on a search result.</li><li>2. The system displays detailed information about the selected item (e.g., university details, program description).</li></ol>
<b>Postconditions</b>	The student reviews the detailed information.

#### Use Case 5:

<b>Use Case Name</b>	Compare
<b>Description</b>	The student has selected multiple items to compare.
<b>Actor</b>	Student
<b>Preconditions</b>	The student has selected multiple items to compare.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student selects items to compare from search results.</li><li>2. The system generates a side-by-side comparison of the selected items.</li><li>3. The student reviews the comparison.</li></ol>
<b>Postconditions</b>	The student has a comparative view of the selected items.

#### Use Case 6:

<b>Use Case Name</b>	View Map
<b>Description</b>	Allows the student to view a map highlighting locations of interest (e.g., universities, housing, nearby facilities).
<b>Actor</b>	Student
<b>Preconditions</b>	The student has selected an item that has a geographic location.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student selects the "View Map" option.</li><li>2. The system displays a map with relevant markers and details.</li><li>3. The student interacts with the map (e.g., zooms, views directions).</li></ol>
<b>Postconditions</b>	The student sees the map and its details.

#### Use Case 7:

<b>Use Case Name</b>	View Housing
<b>Description</b>	Allows the student to browse and view housing options near universities.
<b>Actor</b>	Student
<b>Preconditions</b>	The student has logged in and selected a housing-related search or feature.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student navigates to the housing section.</li><li>2. The system displays a list of housing options.</li><li>3. The student views details about specific housing options.</li></ol>
<b>Postconditions</b>	The student reviews housing options.

#### Use Case 8:

<b>Use Case Name</b>	View Campus
<b>Description</b>	Enables the student to explore information about the campus facilities and layout.
<b>Actor</b>	Student
<b>Preconditions</b>	The student has selected a university or campus to explore.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student selects the "View Campus" option.</li><li>2. The system displays details about the campus (e.g., maps, photos, facilities).</li><li>3. The student interacts with the provided information.</li></ol>
<b>Postconditions</b>	The student learns about the campus.

**Use Case 9:**

<b>Use Case Name</b>	Report
<b>Description</b>	Allows the student to report issues or provide feedback regarding the application or content.
<b>Actor</b>	Student
<b>Preconditions</b>	The student is logged in and encounters an issue.
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. The student navigates to the report section.</li><li>2. The student provides details about the issue or feedback.</li><li>3. The system validates and submits the report to the admin team.</li></ol>
<b>Postconditions</b>	The issue or feedback is submitted for review.