

Table 3: Use Case Table - Creating an account

<u>Basic Information</u>					
<i>Use case name:</i>	Creating an Account	<i>Id</i>	1	<i>Importance level:</i>	High
<i>Primary actor</i>	User (U of T student)				
<i>Short description</i>	This use case describes how a user will go through the process of creating an account				
<i>Trigger</i>	The user wants to create an account on the website	<i>Trigger type:</i>	External / Temporal		
<u>Major Inputs</u>		<u>Major Outputs</u>			
<i>Description</i>	<i>Source</i>	<i>Description</i>	<i>Destination</i>		
Login Information	User	Login Information	User Account Login DB		
User Information	User	User Information	User Information DB		
Create Account Request	User	Login Information Request	User Account Login DB		
Login Information Request	User	Incorrect Login Message	User		
Login Page Request	User				
<u>Details</u>					
<i>Major Steps performed</i>		<i>Information for Steps:</i>			
1. Navigate to login page from homepage		Input: Login Page Request Output: Login Information Request			
2. Press the “Create New Account” button and fill in empty informational fields for Username and Password, then press ‘Next’		Inputs: Create Account Request, Login Information Output: Login Information			
3. If the login information is incorrect, display Incorrect Login Message on page		Inputs: Login Information Output: Incorrect Login Message			
4. Fill in user information fields on the User Information page and press the “Register” button to create an account		Input: User Information Output: User Information			

Table 4: Use Case Table - Searching for a study spot.

<u>Basic Information</u>					
<i>Use case name:</i>	Searching for Study Spot	<i>Id</i>	2	<i>Importance level:</i>	High
<i>Primary actor</i>	User (U of T student)				
<i>Short description</i>	This use case describes how a student will go through the searching process to find their preferred study spot				
<i>Trigger</i>	User opens app to find study spot to meet their needs	<i>Trigger type:</i>		External / Temporal	
<i>Prerequisite:</i>	User is logged into their account on the website				
<u>Major Inputs</u>			<u>Major Outputs</u>		
<i>Description</i>	<i>Source</i>	<i>Description</i>	<i>Destination</i>		
All Study Spot Locations	Study Spots DB	Map and List of Study Spots	User (Webpage)		
Retrieve Filter Subcategories	Study Spots DB	Filtered Requests (Filter database)	Study Spots DB (filtered)		
Filtered Subcategory Selections	Study Spots DB	Filtered Locations Using Selected Filters	Study Spots DB (filtered)		
Filtered Study Spots	Study Spots DB	Map and List of Filtered Spots	User (webpage)		
		No Spots Found	User (webpage)		
User Spot Choice	User (Webpage click)	Google Maps Link	User (webpage - Google Maps)		
<u>Details</u>					
<i>Major Steps performed</i>			<i>Information for Steps:</i>		
1. User open study spot finder website and navigates to the search page which displays a list of study spots			Input: All Study Spot Locations Output: Map and List of Study Spots		
2. The filter criteria shows up on the page with all the subcategories a. Filters will be set up as dropdown (Ex: if we want			Input: Retrieved Filter Subcategories Output: Filter requests (Filter database)		

the study spots near us we would click on location which will then drop options of buildings or areas near you that you select in order to get study spots in that area)	
3. To filter by desired criteria such as location, accessibility, capacity, and noise level. the user will click on desired filters followed by ‘Apply’.	Input: Filtered Subcategory Selections Output: Filtered Locations Using Selected Filters
4. The page will load their options: a. as locations on a map where the user can visually see where everything is located. b. If no study spot fits all the criteria, will input an empty map and “No spots found”	Input: Filtered Study Spots <ul style="list-style-type: none"> ● Output 1: Map and List of Filtered Spots ● Output 2: No Spots Found
5. The user scrolls through locations, using the map, and the corresponding study spot information on the other side of the page and chooses where they want to go based on their filtered criteria. When the desired spot is decided, navigate to that location by clicking on the linked building name under ‘get directions’ that will redirect them to google maps for directions (Ex: Bahen Centre , 3rd floor, west wing).	Input: User Spot Choice Output: Google Maps Link

Table 5: Use Case Table - Rating and reviewing a study spot.

<u>Basic Information</u>					
<u>Use case name:</u>	Rating and Reviewing Locations	<u>Id</u>	3	<u>Importance level:</u>	High
<u>Primary actor</u>	User (U of T student)				
<u>Short description</u>	This use case details how a user can rate and review study locations at U of T				
<u>Trigger</u>	User would like to rate and/or review study location they have been to	<u>Trigger type:</u>	External / Temporal		
<u>Prerequisite:</u>	User is logged into their account on the website				
<u>Major Inputs</u>			<u>Major Outputs</u>		
<u>Description</u>	<u>Source</u>	<u>Description</u>	<u>Destination</u>		
User Name	User Information DB	User’s Star Rating	User Information DB		

Location ID	Study Spots DB	Updated Written Reviews	Reviews DB
Location Rating	Study Spots DB	Updated Star Rating	Study Spots DB
User's Star Rating	User		
User's Written Review	User		

Details

<i>Major Steps performed</i>	<i>Information for Steps:</i>
1. User navigates to the location page that they would like to review	Input: User Name Output: Location ID
2. User gives star rating and system re-calculates new star rating with average	Input: User Star Rating, Location ID, Current Location Rating Output: Updated Star Rating
3. User writes, submits new review which system displays	Input: User Written Review Output: Updated Written Reviews

Table 6: Use Case Table - Favoriting a study spot.

<u>Basic Information</u>					
<i>Use case name:</i>	Favouriting a study spot	<i>Id</i>	4	<i>Importance level:</i>	High
<i>Primary actor</i>	User (UofT student)				
<i>Short description</i>	This case details how a user will add a location posting to their "favourites"				
<i>Trigger</i>	The user sees a location they want to save to their list	<i>Trigger type:</i>		External / Temporal	
<i>Prerequisite</i>	User is logged into their account on the website				
<u>Major Inputs</u>			<u>Major Outputs</u>		
<i>Description</i>	<i>Source</i>			<i>Destination</i>	