

## CST438 Assignment 4 CRC cards

Names: Phillip Powell, Brian Carlston, Rahel Tilahun

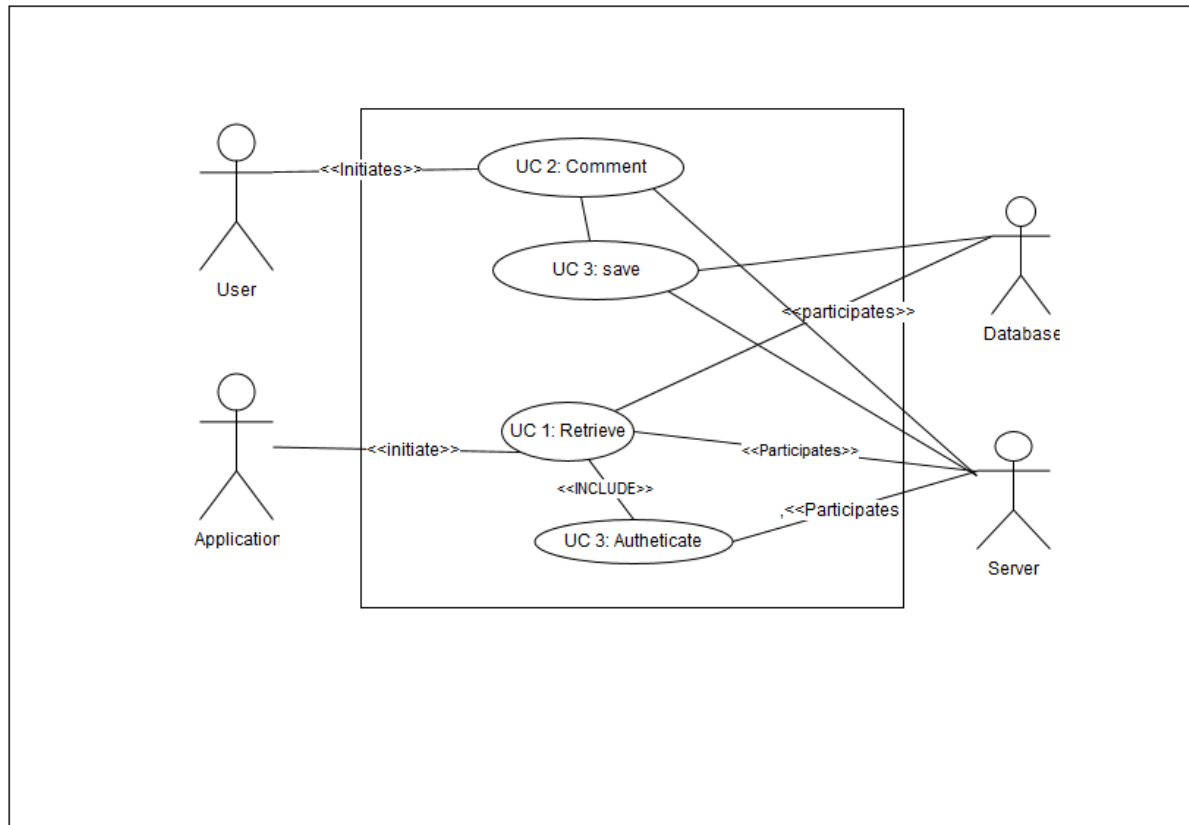
### 1. Description Scenario #1 and UML scenario diagram.

A user adding a comment/review of one of the hiking trails on the app, and the app updating to show that new comment in the comments section.

Actor	Actors goal	Use Case
App	App retrieves from the server all Hiking trails within radius of the user	Retrieve comments UC-1
App	Requests an update of comments from the server	Retrieve comments UC-1
User	Add a comment about a trail	comment UC-2
Server	Authenticates app and sends data for requested trails	authenticate UC-3
Server	Receives comment from user and saves it to the Database	Save UC-4
Database	Stores comments	UC-4

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### 2. Description Scenario #2

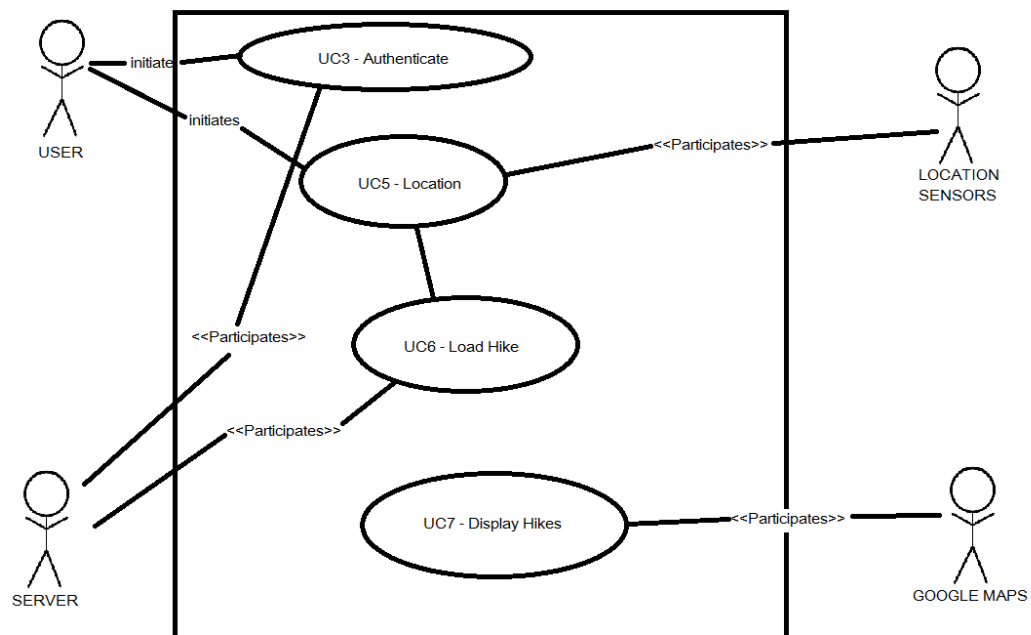
The app's map geo-locating to the user's location after the user logs in to show hiking trails within 50 miles of their current location.

Actor	Actors goal	Use Case
User	User signs into app	UC 3 authenticate
User	moves device to new location	UC 5 location
GPS\location	Give the latitude and longitude of the device	UC 5

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Sensors		
Server	Loads all trails within 50 miles of the location	UC 6 LoadHike
Google Maps API	displays the maps on the device	UC 7



### 3. CRC cards

Scenario #1 - Card #1:

Class Name	DisplayCommentsActivity
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Responsibilities	1.) Connect with server to download all comments about the selected trail 2.) Display all comments to the screen for the user to see
Collaborations	HikeList, HikeDataPersonal

Scenario #1 - Card #2:

Class Name	UserComment
Responsibilities	1.) Accepts User Comment 2.) Interacts with the server to save comment to database
Collaborations	MapActivity, HikeListActivity, HikeDataPersonal

Scenario #1 - Card #3:

Class Name	HikeDataPersonal
Responsibilities	1.) Object for storing a users comment and rating of a hike
Collaborations	MapActivity, HikeListActivity

Scenario #1 - Card #4:

Class Name	HikeList
Responsibilities	1.) Connect with server to download all of the hikes within 50 miles of their location 2.) Connects with the map to display all of the hikes to the screen

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Collaborations	MapActivity, HikeListActivity
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#### Scenario #2 - Card #5:

Class Name	MapActivity
Responsibilities	1.) Displays a google map API that is locked into the user location 2.) Displays all of the hikes within 50 miles of their location as pins on the map
Collaborations	HikeDataMap, HikeDataPoints

#### Scenario #2 - Card #6:

Class Name	HikeDataMap
Responsibilities	1.) storage of all HikeDataPoints 2) when device lat\long changes checks with server to get new HikeDataPoints
Collaborations	MapActivity, HikeDataPoints

#### Scenario #2 - Card #7:

Class Name	HikeDataPoints
Responsibilities	1.) object that stores an individual Hike 2.) contains a linked list of lat long datapoints
Collaborations	MapActivity, HikeDataPoints

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