Location
Entity — Location
N/A
FoodLocation, StudyLocation

- Stores Reviews from Users and average rating
- Stores area from Map
- Accessed through Map by User
- Stores hours of service

Map
User
Review

FoodLocation
Entity — FoodLocation
Location
N/A

- Stores food type
- Stores dine-in/take-out
- Stores price range

User
Review

StudyLocation
Entity — StudyLocation
Location
N/A

- Stores whether outdoors or indoors (indoor/outdoor interface?)
- Stores whether quiet or loud
- Stores rooms available (if applicable)

User
Review

User
Entity — User
N/A
RegisteredUser, GuestUser

- Grants access to viewing information from Map
- Grants access to searching Map

RegisteredUser
Entity — RegisteredUser
User
N/A

- Grants access to leave reviews
- Grants access to view bookmarks
- Stores a list of Review containing all reviews by this RegisteredUser
- Stores a list of Locations bookmarked

Review
Location

GuestUser
Entity — GuestUser
User
N/A

- Can search locations
- Can view reviews

Map
Entity — Map
N/A
FoodMap, StudyMap

- Abstract class that would have the general layout for FoodMap and StudyMap

Location

FoodMap
Entity — FoodMap
Map
N/A

- Stores locations of where to find food

FoodLocation

StudyMap
Entity — StudyMap
Map
N/A

- Stores locations of where to study on campus

StudyLocation

ABSTRACT CLASS

Note: Child class inherit from parent

Use Case **AccountCreator**	N/A N/A
● Creates account if username *does not exist* by checking with AccountManager	AccountManager RegisteredUser

Use Case **AccountManager**	N/A N/A
● Stores a hashmap of registered users ● Looks up whether an account exists or not (by username)	RegisteredUser

Use Case **ReviewManager**	N/A N/A
● Stores a hashmap of reviews	Review

Entity **Review**	N/A N/A
● Stores the rating (i.e., 5/5) ● Stores a comment ● Stores who left this Review	RegisteredUser

ABSTRACT CLASS