

Entity	Location	N/A
	FoodLocation, StudyLocation	
<ul style="list-style-type: none"> • Stores Reviews from Users and average rating • Stores area from Map • Accessed through Map by User • Stores hours of service 	Map User Review	

Entity	FoodLocation	Location
		N/A
<ul style="list-style-type: none"> • Stores food type • Stores dine-in/take-out • Stores price range 	User Review	

Entity	StudyLocation	Location
		N/A
<ul style="list-style-type: none"> • Stores whether outdoors or indoors (indoor/outdoor interface?) • Stores whether quiet or loud • Stores rooms available (if applicable) 	User Review	

Entity	User	N/A
	RegisteredUser, GuestUser	
<ul style="list-style-type: none"> • Grants access to viewing information from Map • Grants access to searching Map 		

Entity	RegisteredUser	User
		N/A
<ul style="list-style-type: none"> • 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	

Entity	GuestUser	User
		N/A
<ul style="list-style-type: none"> • Can search locations • Can view reviews 		

Entity	Map	N/A
	FoodMap, StudyMap	
<ul style="list-style-type: none"> • Abstract class that would have the general layout for FoodMap and StudyMap 	Location	

Entity	FoodMap	Map
		N/A
<ul style="list-style-type: none"> • Stores locations of where to find food 	FoodLocation	

Entity	StudyMap	Map
		N/A
<ul style="list-style-type: none"> • Stores locations of where to study on campus 	StudyLocation	

ABSTRACT CLASS

Note: Child class inherit from parent

Use Case	AccountCreator	N/A N/A
<ul style="list-style-type: none"> Creates account if username <i>does not exist</i> by checking with AccountManager 	AccountManager RegisteredUser	

Use Case	AccountManager	N/A N/A
<ul style="list-style-type: none"> Stores a hashmap of registered users Looks up whether an account exists or not (by username) 	RegisteredUser	

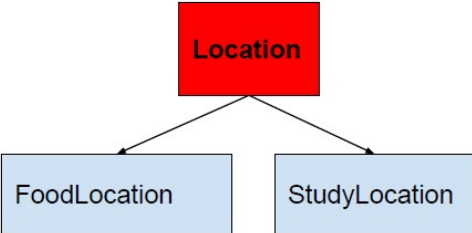
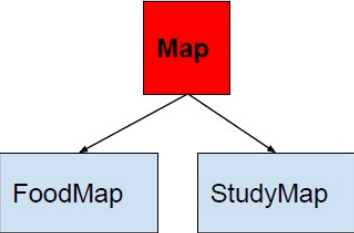
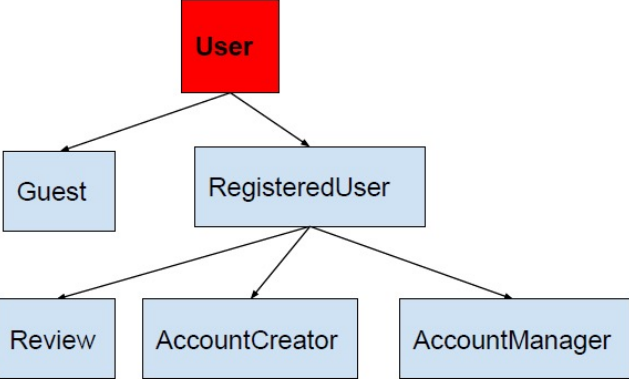
Use Case	ReviewManager	N/A N/A
<ul style="list-style-type: none"> Stores a hashmap of reviews 	Review	

Entity	Review	N/A N/A
<ul style="list-style-type: none"> Stores the rating (i.e., 5/5) Stores a comment Stores who left this Review 	RegisteredUser	

Controller	InputController	N/A N/A
<ul style="list-style-type: none"> Accept user input for login/signup/guest Return data selected in a user-readable format (i.e. locations, bookmarks, reviews) Allow users (who are signed on) to bookmark/review 	ReviewManager AccountManager	

UI	CommandLine	N/A N/A
<ul style="list-style-type: none"> Gets user input and sends to InputController Outputs program results to command line 	InputController	

ABSTRACT CLASS



Name		Parent
		Children
<ul style="list-style-type: none">Responsibilities		Collaborators