

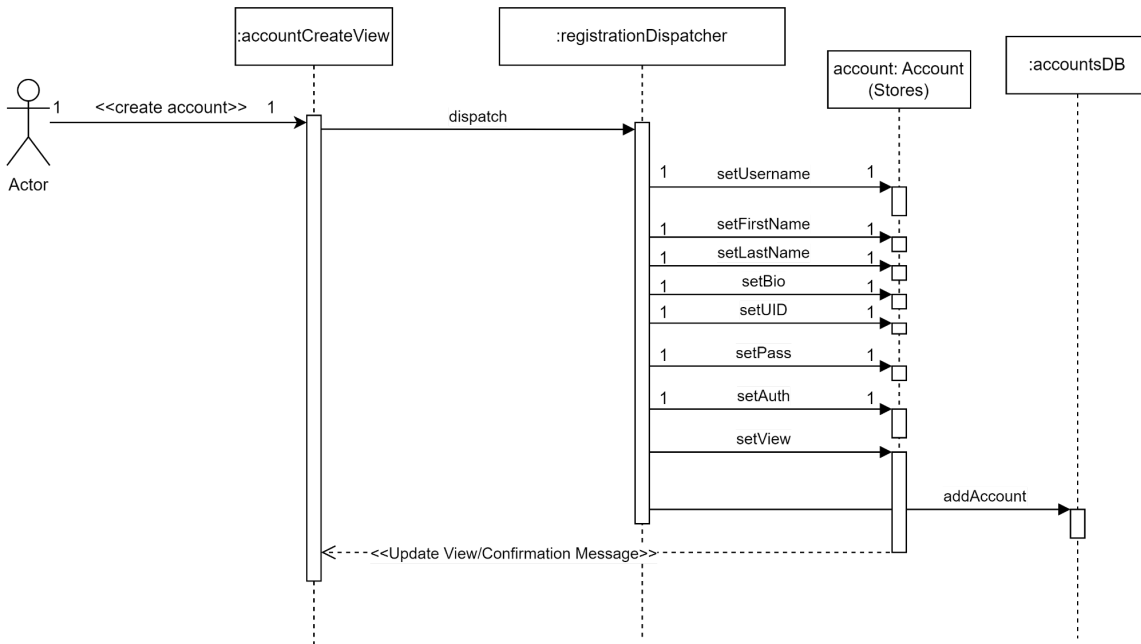
Cooking Companion Sequence Diagrams and Descriptions

Design Description: Account Creation

	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1	Actor	Creates Account		accountCreateView
2	accountCreateView	Dispatches		registrationDispatcher
3	registrationDispatcher		a:= new Account()	account: Account
4	*	Calls	setUsername()	*
5	*	Calls	setFirstName()	*
6	*	Calls	setLastName()	*
7	*	Calls	setBio()	*
8	*	Calls	setUID()	*
9	*	Calls	setPass()	*
10	*	Calls	setAuth()	*
11	regISTRATIONDispatcher	Calls	addAccount()	accountsDB

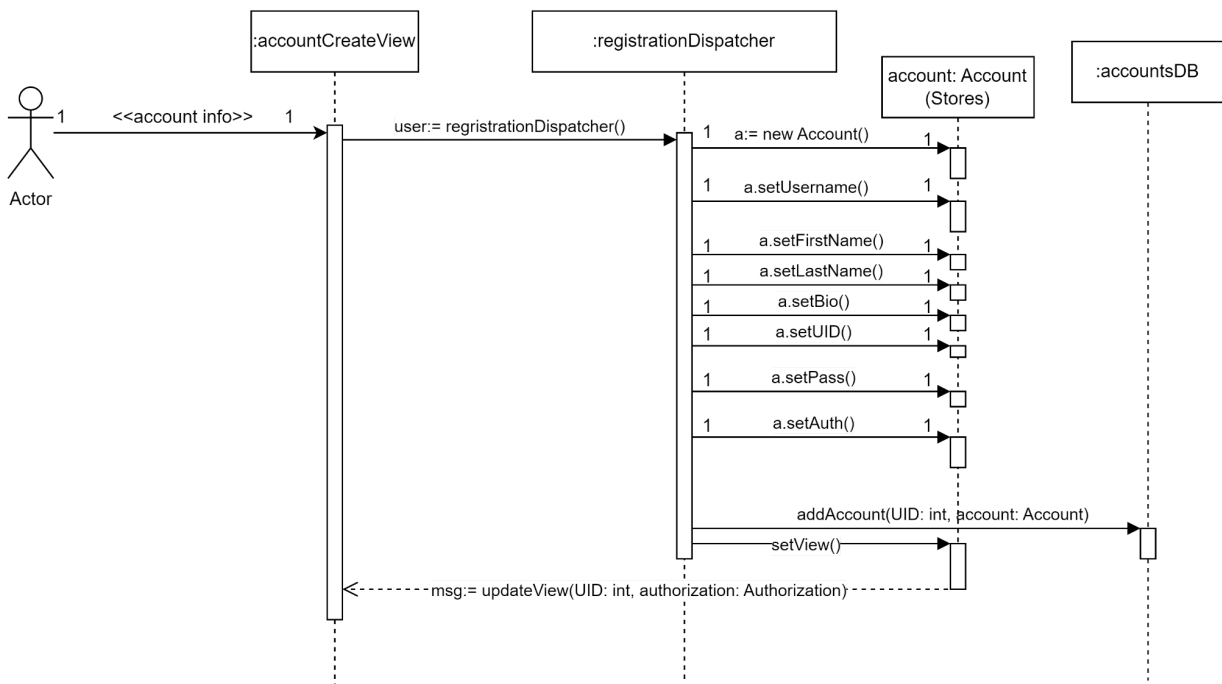
Analysis Diagram: Account Creation

<<Account Creation>>



Design Diagram: Account Creation

<<Account Creation>>

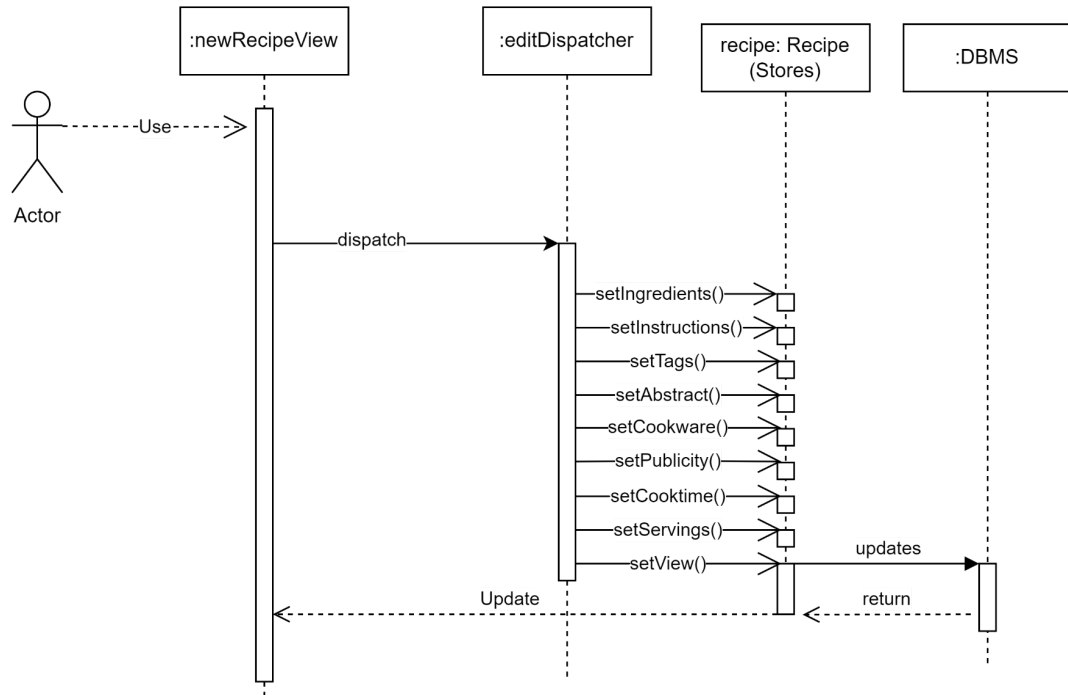


Design Description: Add/New Recipe

	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1	Actor	Add new recipe		recipeView
2	recipeView	Dispatches		recipeDispatcher
3	recipeDispatcher		r:= new Recipe()	recipe: Recipe
4	*	Calls	setIngredients()	*
5	*	Calls	setInstructions()	*
6	*	Calls	setTags()	*
7	*	Calls	setAbstract()	*
8	*	Calls	setCookware()	*
9	*	Calls	setPublicity()	*
10	*	Calls	setServings()	*
11	recipeDispatcher	Calls	setViews	recipe:Recipe RecipeDB
12	recipe:Recipe	Updates		recipeView

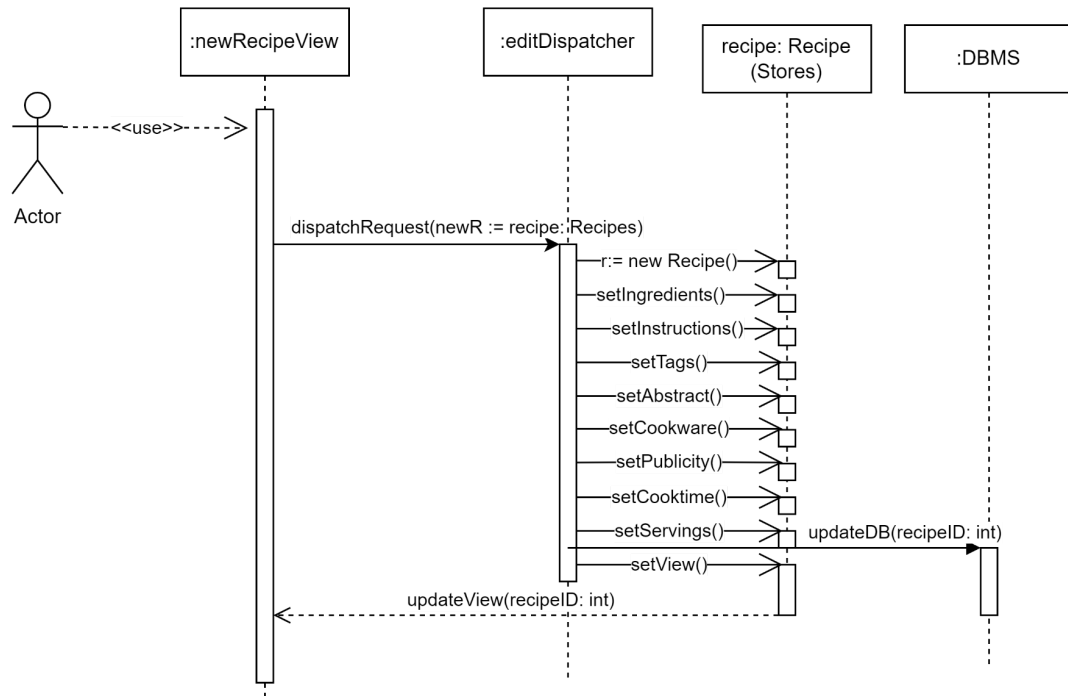
Analysis Diagram: Add/New Recipe

<<New Recipe>>



Design Diagram: Add/New Recipe

<<New Recipe>>

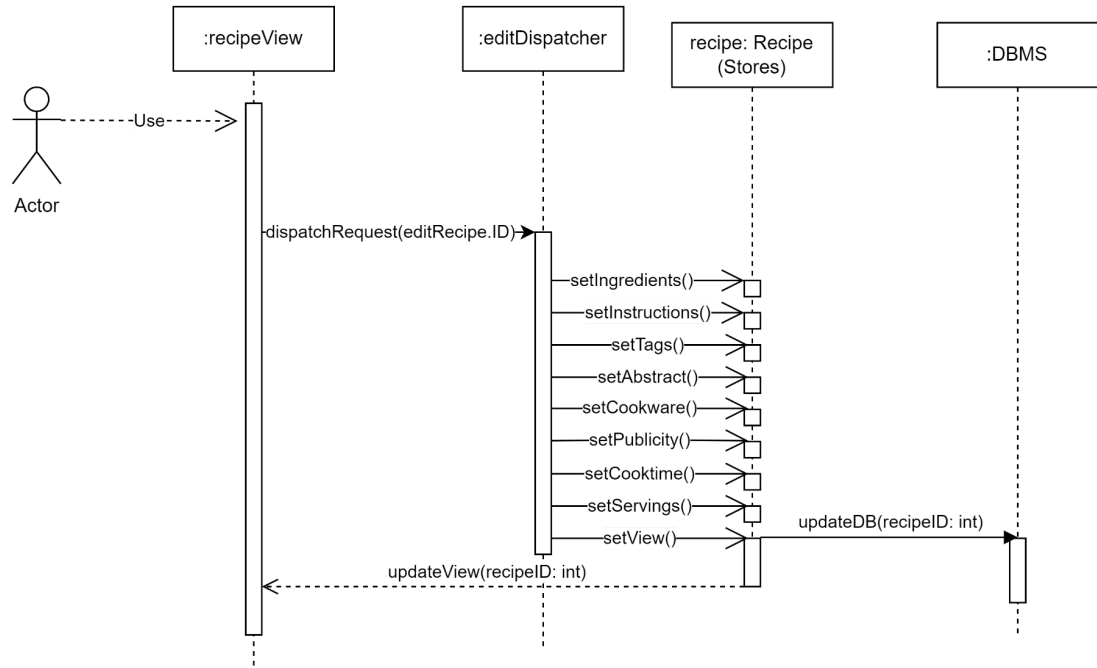


Design Description: Edit a Recipe

	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1	Actor	Edits recipe		recipeView
2	recipeView	Dispatches		editDispatcher
3	editDispatcher			recipe: Recipe
4	*	Calls	setIngredients()	*
5	*	Calls	setInstructions()	*
6	*	Calls	setTags()	*
7	*	Calls	setAbstract()	*
8	*	Calls	setCookware()	*
9	*	Calls	setPublicity()	*
10	*	Calls	setServings()	*
11	editDispatcher	Calls	setViews	recipe:Recipe RecipeDB
12	recipe:Recipe	Updates		recipeView

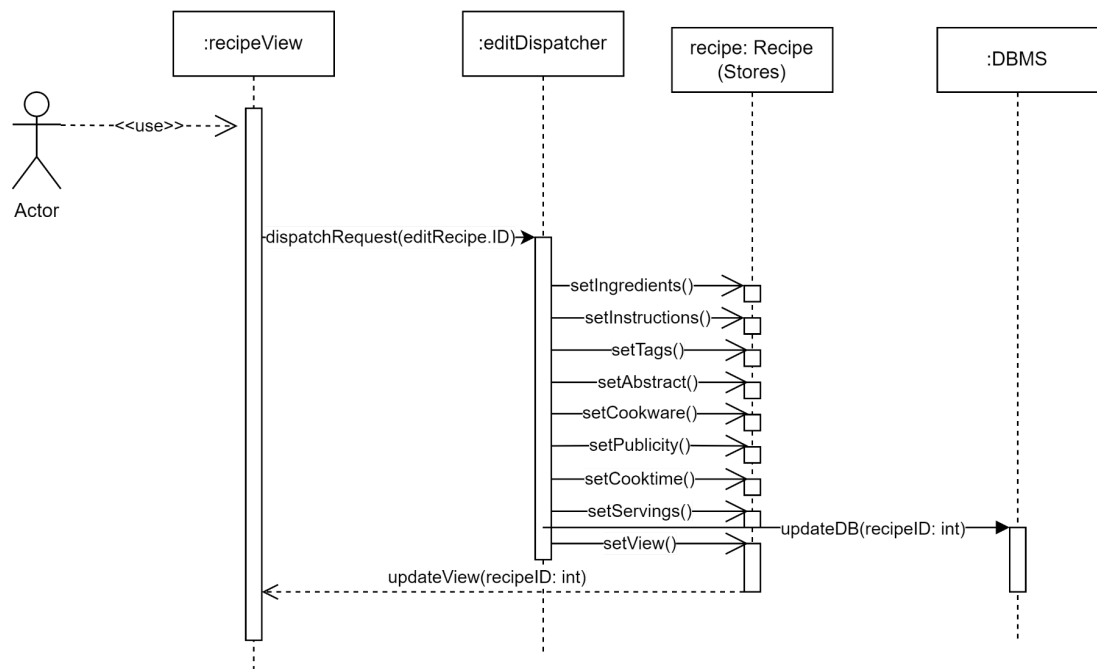
Analysis Diagram: Edit recipe

<<Edit Recipe>>



Design Diagram: Edit recipe

<<Edit Recipe>>

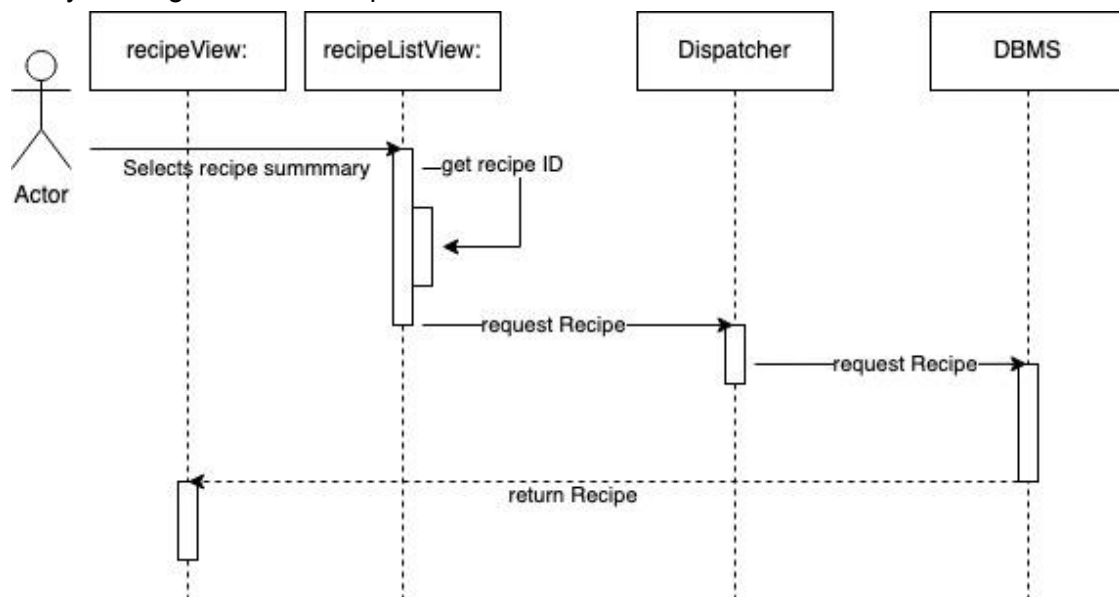


Design Description: View recipe

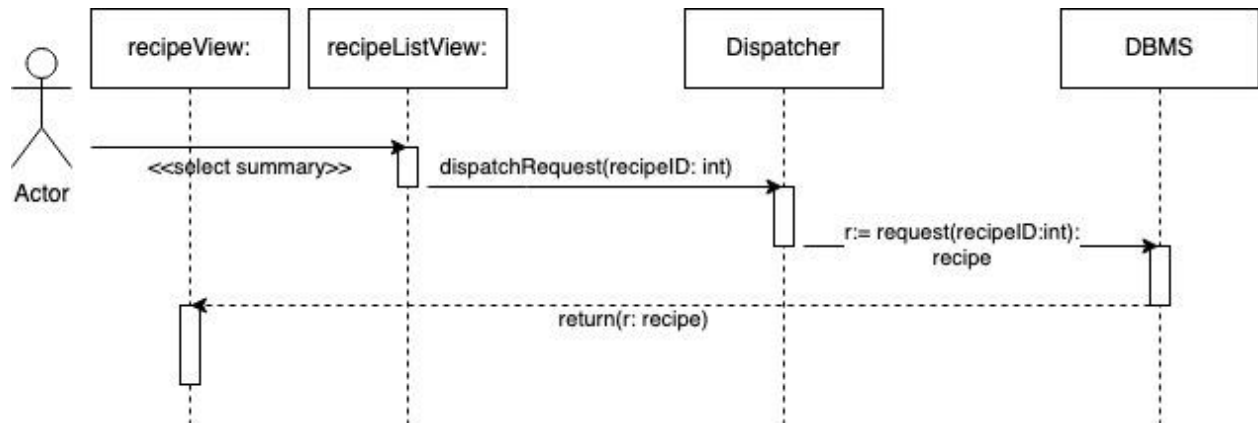
Viewing a Recipe

	Subject	Action of Subject	Other Data/Objects	Objects Acted Upon
1)	Actor	Clicks on recipe summary	Summary	Recipe list View
2)	Recipe List View	get recipe ID from Summary		Summary
4)	Recipe List View	Sends recipe ID to Dispatcher		Dispatcher
5)	Dispatcher	Queries DBMS with recipe ID		DBMS
6)	DBMS	Returns a Recipe	Recipe	Recipe View

Analysis Diagram: View recipe



Design Diagram: View recipe

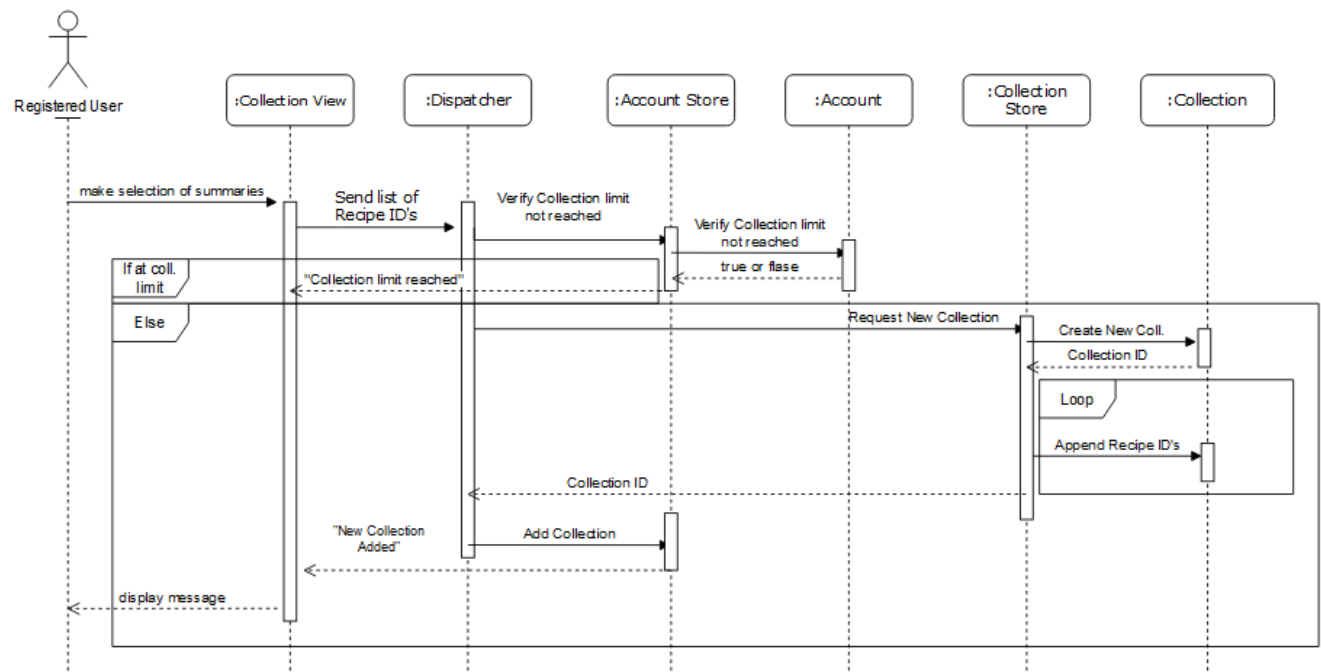


Create Personal Collection:

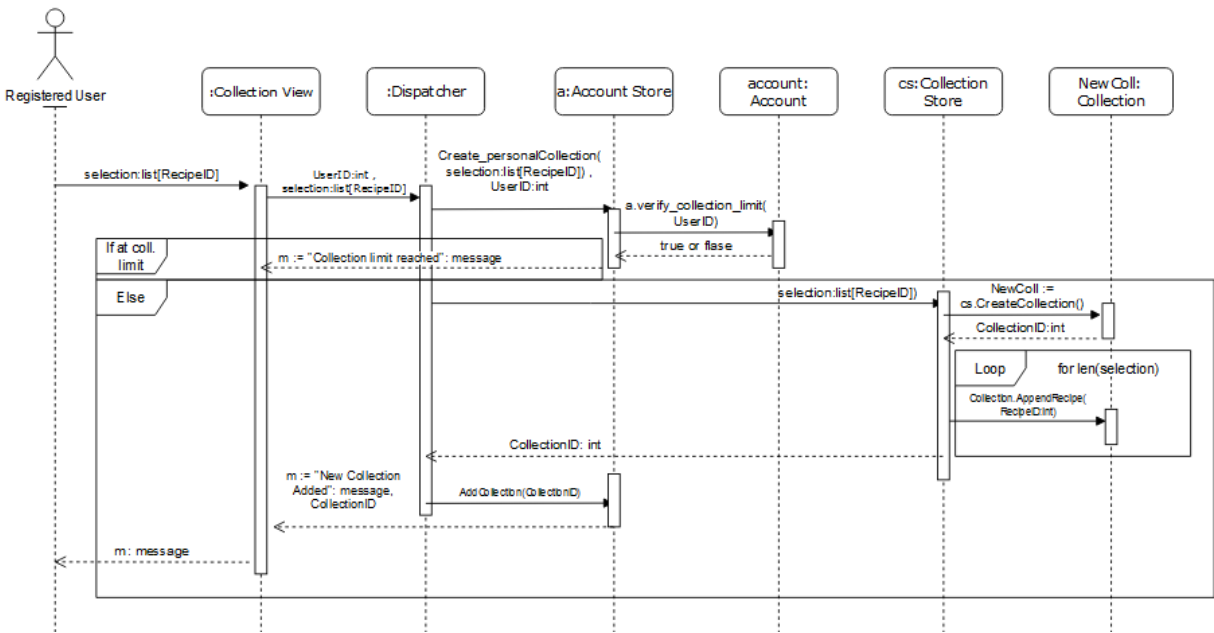
	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1)	Registered User	Selects list of summaries	Summary	Collection View
2)	Collection View	Passes selection to		Dispatcher
3.1)	Dispatcher	passes UserID to		Account Store
3.2)	Account Store	Verifies collection limit		Account
4.1)	If number of collections of Account \geq Collection_limit			
4.1.1)	Account Store	returns m	m = "Collection Limit Reached"	View
4.1.2)	View	displays m	m	View
4.2)	Else			
4.2.1)	Dispatcher	request new collection		Collection Store
4.2.2)	Collection store	creates new collection		Collection
4.2.3)	Collection	returns collectionID		Collection Store
4.3	Loop over Recipe ID's in selected summaries			
4.3.1)	Collection Store	Appends Recipe ID to	Recipe ID	Collection
4.4	Collection Store	return Collection ID	Collection ID	Dispatcher
4.5	Dispatcher	adds collection		Account store

4.6	Collection Store	return m	m = "New Collection Added"	View
4.7	View	displays m	m	

Analysis Diagram: Create Personal Collection



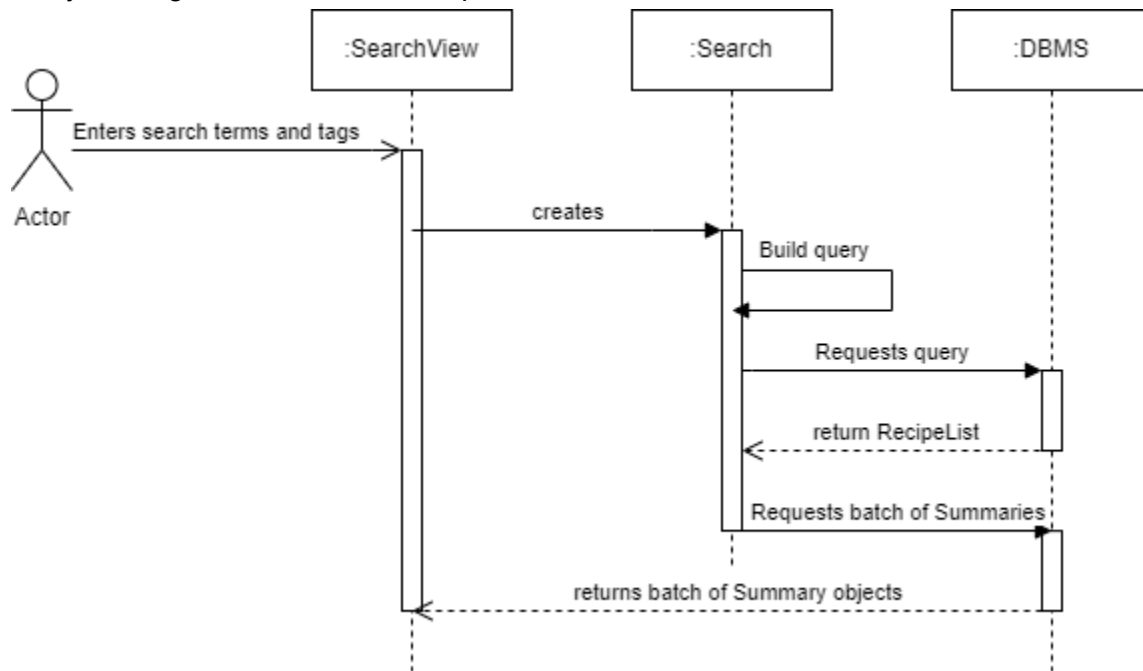
Design Diagram: Create Personal Collection



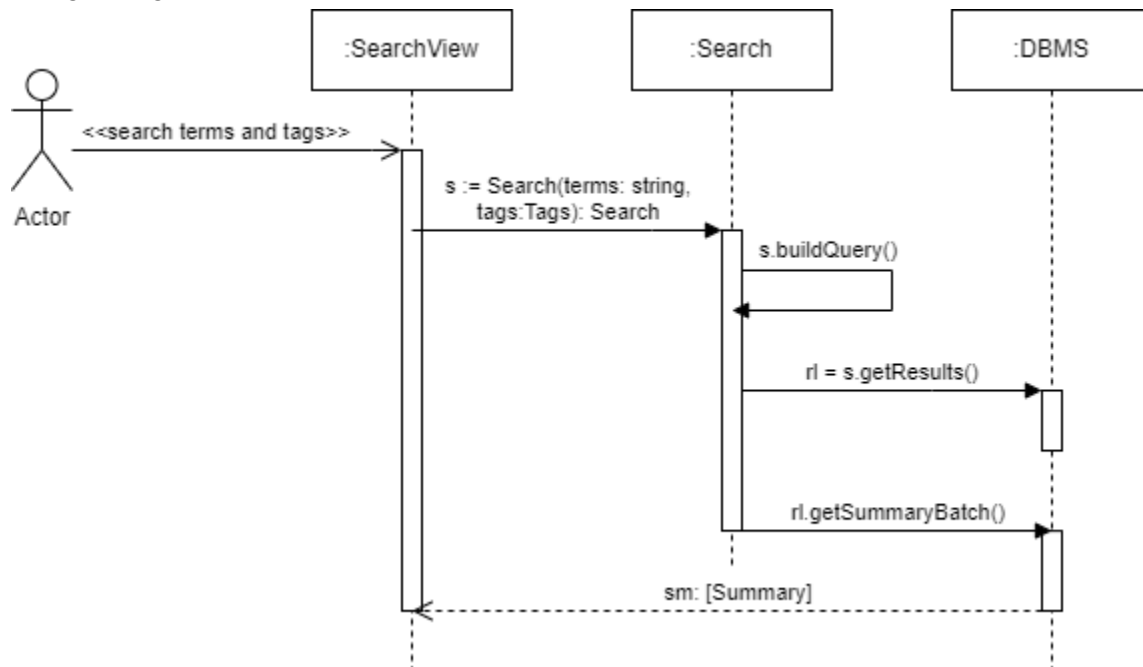
Design Description: Search for Recipe

	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1)	Actor	Enters search terms and tags		SearchView
2)	SearchView	Creates		SearchObject
2)	SearchObject	Builds query		
2.1)	SearchObject	Queries DBMS		DBMS
3)	DBMS	Returns RecipeList object	RecipeList	SearchObject
4)	SearchObject	Requests batch of Summary objects	Summary	DBMS
5)	DBMS	Creates and returns summaries	Summary	SearchView
6)	SearchObject	Returns summary objects	Summary	SearchView

Analysis Diagram: Search for Recipe



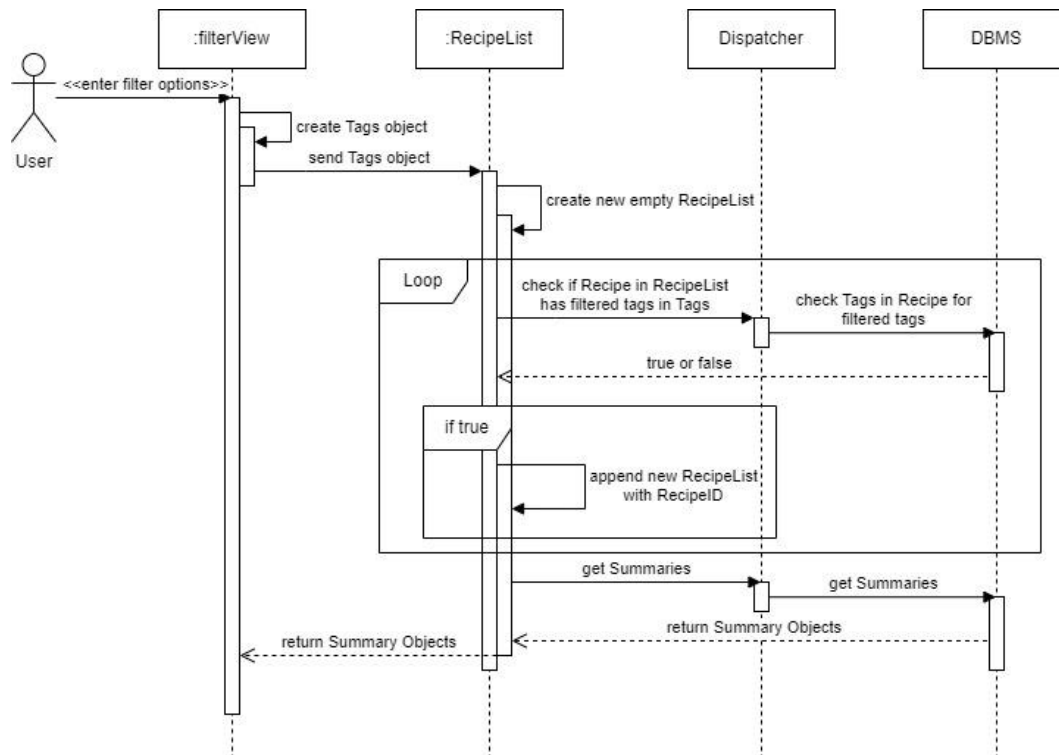
Design Diagram: Search for Recipe



Filter Search Results by Tags:

	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1	User	Enters filter options		filterView
2	filterView	Creates Tags object with filter options	Tags	filterView
2.1	filterView	Sends Tags object	Tags	RecipeList
3	RecipeList	creates new RecipeList		RecipeList
3.1	RecipeList	check if Recipe in RecipeList has filtered tags	Tags	Dispatcher
4	Dispatcher	check Tags in Recipe for filtered tags	Tags	DBMS
5	Store	Returns true or false		RecipeList
6	RecipeList	appends new RecipeList with RecipeID		RecipeList
7	RecipeList	get Summaries		Dispatcher
8	Dispatcher	get Summaries		DBMS
9	DBMS	return Summaries	Summaries	RecipeList
10	RecipeList	return Summaries	Summaries	filterView

Analysis Diagram: Filter Search Results by Tags



Design Diagram: Filter Search Results by Tags

