RecipeFlicker DEVELOPMENT

PREPARED BY

Kenta Kodashima, Minami Munakata, Nagisa Kojima

1. Project Overview

RecipeFlicker allows you to make your own favorite recipe lists. Even if you can't come up with anything you want to cook, RecipeFlicker offers random recipes to help you make your decision.

2. Project Description

RecipeFlicker offers random recipes to help you decide your meals of the day. All you need to do is just flick the recipe to the left or right. If you want to organize your favorite recipes, you can create your own collections of recipes.

If you find an awesome recipe, you can make a post and share it with your friends. You can even share your collections that you make.

3. Project Specification

Phase 1

	Function	Implementation
1 - Home Screen		
1.1	Recipe cards shows up randomly.	EDAMAM Recipe Search API
1.2	Flick the cards to decide like or dislike	CardView: UIView, UIImageView, UILabel Animation: KolodaView
1.3	Tap the button to decide like or dislike	UIButton
1.4	Liked recipes would be stored as favorite recipes	
2 - Favorite: Collection Detail Screen		
2.1	Search bar at the top	UISearchBar
2.2	Add button to add a collection is located on the navigationBar	UIBarButtonItem
2.3	Tap to choose from different ways to display favorite lists. “All” or “Collection”.	UISegmentedControl
2.4	All segment: List all favorite recipes	UITableView
2.5	All segment: Swipe to delete the recipe from the list.	
2.6	Collection segment: List collections that users make (Segue to the detail view)	UICollectionView

2.7	Collection segment: Handle multiple selection to delete the collection.	
3 - Favorite: Add Collection Screen		
3.1	'Cancel' button on the left-top side of the UINavigationBar.	UIBarButtonItem
3.2	'Next' button on the rihgt-top side of the UINavigationBar (Segue to another VC to choose recipes to add to the collection)	UIBarButtonItem
3.3	'Name' label to indicate that the user can decide the name of the collection.	UILabel
3.4	There is a field to input the collection name.	UITextField
4 - Favorite: Add Collection - Choose Recipes Screen		
4.1	'Back' button to back to the previous screen.	UIBarButtonItem
4.2	'Done' button to finish creating the new collection.	UIBarButtonItem
4.3	There is a search bar to look for a specific recipe from the favorite list.	UISearchBar
4.4	List all recipes. It should handle multiple selection.	UITableView: Multiple selection
4.5	List all recipes. It should handle multiple selection.	UITableView: Multiple selection
5 - Favorite: Collection Detail Screen		
5.1	'Back' button to back to the previous screen.	UIBarButtonItem
5.2	List all recipes that belong to the specific collection.	UITableView
5.3	Swipe to delete recipes from the collection.	Override tableView(editingStyle:)
6 - Recipe Detail Screen		
6.1	Show the recipe page with the URL from the API.	WKWebView **Note: UIWebView is deprecated. (iOS 12.0)**
6.2	Implement tabBar to add buttons for user actions.	UITabBar
6.3	'Back' button to back to the previous screen.	UIBarButtonItem
6.4	'Meatball button' to share the recipe via SNS or post it on the app. (**Phase 2**)	UIBarButtonItem **Note: This functionality is going to be implemented during phase 2**

Phase 2

	Function	Implementation
6 - Login Screen		
1.1	Label to show app title.	UILabel
1.2	Fields to input email and password. There should be also labels to indicate what to input.	UITextField, UILabel
1.3	Buttons to sign in. There are three ways to sign in. 1. Sign in with email and password. 2. Sign in with Facebook 3. Sign in with Google	UIButton, Firebase Authentication
1.4	Button to go to sign up screen. Maybe it's nice to have a label to indicate that the button take the user to sign up screen.	UIButton, UILabel
7 - Sign Up Screen		
7.1	Label to show app title.	UILabel
7.2	Fields to input email, name and password. There should be also labels to indicate what to input.	UITextField, UILabel
7.3	Buttons to sign up. There are three ways to sign in. 1. Sign up with information from the fields. 2. Sign in with Facebook 3. Sign in with Google	UIButton, Firebase Authentication
7.4	Button to go to sign in screen. It's nice to have a label to indicate that the button take the user to sign in screen.	UIButton, UILabel
8 - Post Creation Screen		
8.1	'Cancel' button on the left-top side of the UINavigationBar.	UIBarButtonItem
8.2	Post button on the right-top side of the UINavigationBar.	UIBarButtonItem
8.3	Thumbnail image from the recipe page. It's gonna be blank default image if there is no image available.	UIImageView
8.4	Label to show the title of the recipe.	UILabel
8.5	Field to input comment with the link of the recipe.	UITextView
9 - Account Screen		
9.1	'Setting' button on the right-top side of the UINavigationBar.	UIBarButtonItem

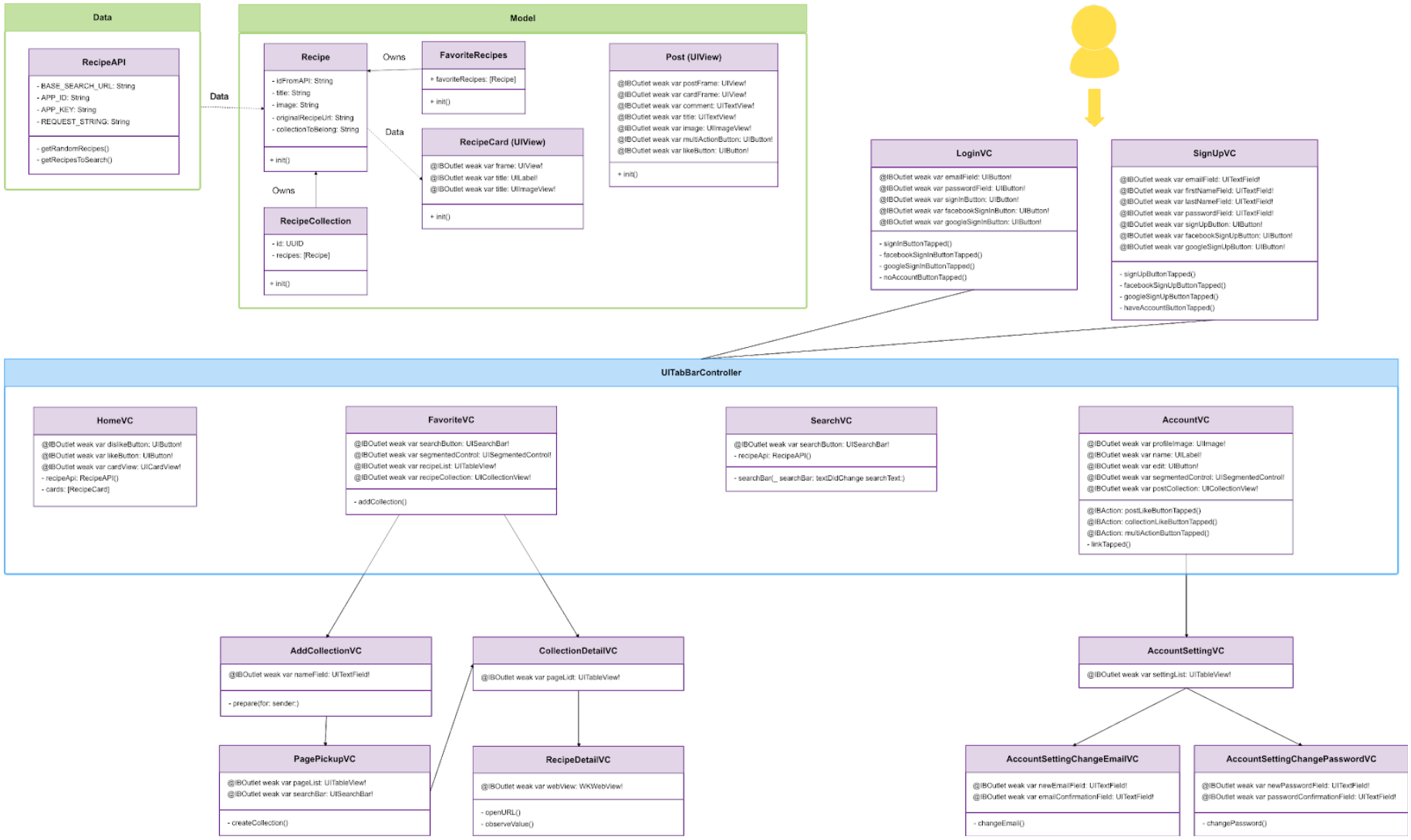
9.2	Thumbnail area to show and set account image.	UIImageView
9.3	Label to show user name.	UILabel
9.4	'Edit' button beside the username to edit user information.	UIButton
9.5	Tap to choose from different ways to display favorite lists. "All" or "Collection".	UISegmentedControl
9.6	All segment: List all post of the user. Post should include: ● Comment of the user ● Recipe title ● Recipe image ● 'Like' button ● 'More' button	Post: Wrap the whole content with UIView - Comment: UILabel - Link thumbnail: UIView(Wrap the thumbnail), UILabel, UIImage - 'Like' and 'More' buttons: UIButton
9.7	Collection segment: List collections that users make (Segue to the detail view). There is a 'Like' button to add it to favorite (in case a user visit another user's account profile).	UICollectionView UIButton(Hide if it's the user's own profile)
10 - Account Setting		
10.1	'Back' button to back to the previous screen.	UIBarButtonItem
10.2	List of setting articles. 1. Change email 2. Change password 3. Privacy policy	UITableView
11 - Account Setting: Detail (change email or password)		
11.1	'Back' button to back to the previous screen.	UIBarButtonItem
11.2	'Done' button to finish editing.	UIBarButtonItem
11.3	Fields to change information. It's nice to have a label to indicate that the button take the user to sign in screen.	UITextField, UILabel
12 - Account Setting: Detail (privacy policy)		
12.1	'Back' button to back to the previous screen.	UIBarButtonItem
12.2	Display privacy policy.	UITextView

4. User Story

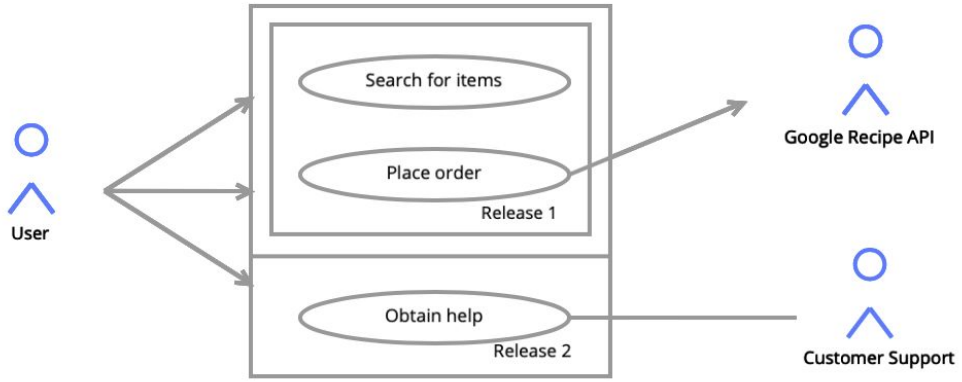
As a [persona]	who [description]	I want to [do something]	so that I can [derive a benefit]	NOTE
user	is lazy to think about the meal	get suggestion for what to eat	prepare for the meal.	phase 1
user	has no idea what to eat	get an idea for the meal	cook the one.	phase 1
user	loves cooking	cook something new	try new recipe.	phase 1
user		make a list of favorite recipes	browse them later.	phase 1
user	looks for recipes on commute in the morning	bookmark the recipe for dinner	check it again when I'm off and stop by a grocery store on the way home.	phase 1
user		see images of recipes at a glance	easily find a recipe without assuming from the title.	phase 1
user		post recipes	share recipes to others.	phase 2
user		write a comment with a post	give additional information to others.	phase 2
user		follow friends	connect with them.	phase 2
user		create an account	keep personal settings.	phase 2
user	has allergy or has food preference	register personal preferences for foods	avoid foods I can't eat	phase 2
follower		see other one's favorite recipes	get to know great recipes they like.	phase 2
user		check all Ingredients	buy them	phase 1

5. UML Class Diagram

Phase 1 & 2



6. UML Use Case Diagram



7. Group members

Kenta : Project manager, Leader, Developer
Nagisa: Designer
Minami: Developer