# CS 646 iPad/iPhone Mobile Application Development Project Report

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**Term:** Fall 2019

**Project Name:** Recipe Blogger

**Brief:** This Application is for Blogger interested in blogging about their own recipes with others. In this application user can create their account, upload own recipe using recipe details like; recipe name, preparation time, serving size, cuisine, ingredients, and procedure with recipe image.

User can check their uploaded recipes in profile section, view recipes by other users previously added to the application, they can also comment on the recipes using the comment section. They can also add that recipe to favorite section, check recipes under particular cuisine category. For instance, if user want to view Italian recipes, they can select Italian category from dashboard and view underlisted recipes.

Data will be stored in Firebase and images will be stored in Firebase Storage. Firebase Authentication is used for Sign Up/Login.

**Supported for portrait view. Target device- iPhone Xs**

|  |  |
| --- | --- |
| User | * Create profile using sign up * Login with email and password * Add recipe * View recipes * Delete own recipe * View recipes as per category(cuisine) * Add to favorite * Remove from favorite * Add comment on recipe |

**Instruction:**

1. This application is built on XCode version- 11.2.1, to run this application you need compatible version.
2. Internet is required to use the application.
3. As free version of Firebase database is being used; “Quota has been exceeded for the project” error may occur if the uploading/downloading data/image limit is exceeded. In such situation user will not able to view images which are uploaded to storage, but data can be viewed.
4. In application there is some memory leak (tried to resolve it and handled memory leak from impacting the stability of the App). To mitigate the issue, avoid uploading large images (in MBs; KBs are preferred).
5. If user uploaded large size image (in MBs or Even after conversion if it is large) and downloading image have ‘1048576’ bytes limitation, in that case user will see default image not the original uploaded image.
6. User cannot return to the navigate back while creating a new recipe; will have to complete all the steps with all fields to return.
7. To view particular recipe from recipe-list the user needs to click/tap on particular table cell
8. While viewing particular recipe ingredients and recipe procedure the user needs to scroll to view the field completely as it is developed using “UITextview”
9. If in any case image URL is submitted null, it will show default image in recipe page.
10. Use proper navigation for going to other view, Ex: if you remove recipe from favorite section and not used proper navigation it may show you “remove from favorite” option in recipe detail page.
11. To check any recipe view details click on table-view cell from any list (List of recipe/ User profile/ Favorite recipes)

**User List:**

Email: [gauri@gmail.com](mailto:gauri@gmail.com) Password: pswd@2019

Email: [ava@gmail.com](mailto:ava@gmail.com) Password: pswd@2019

**Screenshots:**

1. **Initial Screen – Login screen**

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1. **Sign Up screen**

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1. **Sign up nickname validation**

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1. **Sign up email validation**

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1. **Sign up password validation**

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1. **Dashboard**

**A picture containing photo, food

Description automatically generated**

1. **Dashboard cuisine selection – click on image/cuisine name (clicked on Indian cuisine)to view list of added recipes**

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1. **Dashboard cuisine selection – click on image/cuisine name if there is no recipe listed yet it will show popup**

**A close up of food

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1. **Add Recipe**

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1. **Add recipe validation for all fields**

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1. **Add Ingredients**

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1. **Delete ingredients from list- select “tebleview -cell” and swipe left to delete ingredient from list**

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1. **Add recipe procedure**

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1. **Choose image from photo gallery**

**A close up of food

Description automatically generated**

1. **Post recipe**

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1. **View uploaded recipe in user profile**

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1. **View particular recipe – click on recipe tableview cell – For ingredients and recipe procedure viewing purpose textview is used so user can scroll up-down**

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1. **Comment on recipe – click comment button on navigation bar, user can make comment /read comment for that recipe**

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1. **Add to favorite / Remove from favorite– click on “Add to favorite” button to add recipe in favorite section / click on “Remove from favorite” button to remove recipe from favorite section**

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**A screenshot of a cell phone

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1. **View favorite recipe – click on favorite section from tab bar – click on tableview cell to check full recipe**

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1. **Delete own recipe – click on “Trash” symbol button to delete any recipe**

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Description automatically generated**

1. **Click on Logout button – logout current logged- in user.**