**Requirements Document**

**Functional Requirements**

**R1. Recipe Management**

**R1.1 Add A Recipe**

**Description:** The user shall be able to add a recipe to the app.

**Rationale:** Adding a recipe is key to creating a cookbook

**Risk:** High

**Priority:** High

**R1.2 Edit recipe**

**Description:** The user shall be able to edit a recipe in the app.

**Rationale:** Editing a recipe is necessary as users may form alterations of their own or others recipes

**Risk:** High

**Priority:** High

**R1.3 Delete recipe**

**Description:** The user shall be able to delete a recipe in the app.

**Rationale:** Deleting a recipe is necessary as the user may no longer want it being stored.

**Risk:** High

**Priority:** High

**R2. Account Creation**

**Description:** The user shall be able to create an account.

**Rationale:** This is necessary as it allows the user access to the application.

**Risk:** High

**Priority:** High

**R3. Cookbook Management**

**R3.1 Add A Cookbook**

**Description:** The user shall be able to create a cookbook

**Rationale:** This is necessary in creating a cookbook which is what the application in based on.

**Risk:** High

**Priority:** High

**R3.2 Edit A Cookbook**

**Description:** The user shall be able to edit a cookbook

**Rationale**. This is necessary as the user may want to change a mistake or alter the cookbooks name or description etc.

**Risk:** High

**Priority:** High

**R3.1 Delete A Cookbook**

**Description:** The user shall be able to delete a cookbook

**Rationale:** This is necessary as the user may no longer want people contributing to a cookbook.

**Risk:** High

**Priority:** High

**R4. Collaboration**

**R4.1 Add Contributors To Cookbook**

**Description:** The user who owns a cookbook shall be able to add users to a cookbook

**Rationale:** This is necessary as it essential to creating collaboration

**Risk:** High

**Priority:** High

**R4.2 Delete Contributors From Cookbook**

**Description:** The user who owns a cookbook shall be able to add users to a cookbook

**Rationale:** This is necessary as it essential as contributors may not be respecting a cookbook the way the creator desired and therefore may want to delete a contributor

**Risk:** High

**Priority:** High

**R4.3 Contributors Can View Cookbooks They Are Part Of**

**Description:** The user shall be able to view cookbooks they are a part of

**Rationale:** An essential part of the collaboration

**Risk:** High

**Priority:** High

**R4.4 Contributors Can Add Recipes To Cookbooks They Are Part Of**

**Description:** The user shall be able to add recipes to cookbooks they are a part of

**Rationale:** An essential part of the collaboration

**Risk:** High

**Priority:** High

**R4.5 Contributors Can Delete Recipes From Cookbooks They Are Part Of**

**Description:** The user shall be able to delete recipes from cookbooks they are a part of

**Rationale:** An essential part of the collaboration

**Risk:** High

**Priority:** High

**R4.6 Contributors Can Edit Recipes From Cookbooks They Are Part Of**

**Description:** The user shall be able to edit recipes from cookbooks they are a part of

**Rationale:** An essential part of the collaboration

**Risk:** High

**Priority:** High

**R5 Cookbook Privacy**

**Description:** The user shall be able to set cookbook to private or public

**Rationale:** This is essential as it gives users the choice of who is displayed to the public

**Risk:** High

**Priority:** High

**R6 Recipe View**

**Description:** The user shall be able to view a recipe in full screen

**Rationale:** This is essential as it makes recipes in the kitchen easier to read.

**Risk:** High

**Priority:** High

**R7 Browse**

**Description:** The user shall be able browse recipes and cookbooks if public

**Rationale:** This enables recipe discovery a core part of the success of recipe apps.

**Risk:** Medium

**Priority:** Medium

**R8 Communication**

**Description:** The user shall be able to review and ask questions about the recipe.

**Rationale:** This helps others know if the recipe is good and find any tips.

**Risk:** Medium

**Priority:** Medium

**R9 Conversion**

**Description:** The user should be able to convert measurements.

**Rationale:** Enables ease when cooking

**Risk:** Low

**Priority:** Medium

**R10 Screen Sleep**

**Description:** The user should be able to to stop screen sleeping when using a recipe.

**Rationale:** Enables ease when cooking

**Risk:** Medium

**Priority:** Medium

**R11 Collaborative Shopping List**

**Description:** The user should be able to add ingredients to a collaborative shopping list

**Rationale:** Makes ingredient shopping easier between families and clubs

**Risk:** Low

**Priority:** Medium

**R12 Printing**

**Description:** The user should be able to print recipes out.

**Rationale:** For those who prefer to use paper in the kitchen

**Risk:** Low

**Priority:** Low

**R13 Importing**

**Description:** The user may be able to import recipes by url

**Rationale:** Makes recipe creation easier.

**Risk:** Low

**Priority:** Low

**R14 Scaling**

**Description:** The user may be able to scale ingredients up or down

**Rationale:** Enables ease when cooking

**Risk:** Low

**Priority:** Low

**R15 Font enlarging**

**Description:** The user may be able to enlarge recipe font

**Rationale:** Enables ease when cooking

**Risk:** Low

**Priority:** Lo

**R16 Recipe photo import**

**Description:** The user may be able to import an image of a handwritten recipe

**Rationale:** Enables easier recipe creation

**Risk:** Low

**Priority:** Low

**R17 Recipe share**

**Description:** The user may be able to share the recipes via social media

**Rationale:** Enables friends to see their recipes

**Risk:** Low

**Priority:** Low

**R17 Popular Cookbooks**

**Description:** The user may be able to see fav/popular/featured cookbooks.

**Rationale:** Enables recipe discovery.

**Risk:** Low

**Priority:** Low

**R18 Kitchen Timer**

**Description:** The user may be able to set kitchen timer in app.

**Rationale:** Enables ease when cooking

**Risk:** Low

**Priority:** Low

**R19 Profile**

**Description:** The user may be able to create a profile

**Rationale:** Help others learn more about them

**Risk:** Low

**Priority:** Low

**R20 View Profiles**

**Description:** The user may be able to view users profile and follow them

**Rationale:** Help create friendships

**Risk:** Low

**Priority:** Low

**Non Functional**

**R1 Operating System**

**Description:** The application shall be built for Android devices.

**Rationale:** Based on analysis of best operating systems for the app.

**R2 Database**

**Description:** The application shall use a SQL database on the server and SQLite on device.

**Rationale:** Enables the app to work offline which is essential with recipes.

**R3 App Updates When Wifi**

**Description:** The application should update when there is wifi

**Rationale:** Enables the app to be frequently up to date

**R4 SUS**

**Description:** The application should achieve a high SUS score

**Rationale:** Shows the app meets usability critera.

**R5 Unit Tests**

**Description:** The application should pass all unit tests.

**Rationale:** Shows the app responds as it should.

**R6 Testing**

**Description:** The application should pass all tests set out in testing strategy

**Rationale:** Shows the app responds as it should.