

| MainActivity  |   |
|---|---|
| <ul style="list-style-type: none"><li>• The home page of the app:</li><li>• Contains navigation buttons to Ingredients, Recipes, Meal Plan, and Shopping List.</li><li>• Displays the number of ingredients, recipes, meal plans, and shopping list items.</li><li>• The meal plan of the current day is shown.</li></ul> | <ul style="list-style-type: none"><li>• IngredientListActivity</li><li>• RecipeListActivity</li><li>• ShoppingListActivity</li><li>• MealListActivity</li></ul> |

| IngredientActivity  |  |
|---|--|
| <ul style="list-style-type: none"><li>• Displays a list of ingredients</li><li>• Can view, edit, add, delete ingredients</li><li>• Can sort ingredients by specific attribute</li><li>• Can add ingredient to the shopping list</li></ul> | <ul style="list-style-type: none"><li>• MainActivity</li><li>• IngredientAdapter</li><li>• RecipeAdapter</li><li>• ShoppingListAdapter</li><li>• MealListAdapter</li></ul> |

| RecipeListActivity  |  |
|---|--|
| <ul style="list-style-type: none"><li>• Displays a list of recipes</li><li>• Can view, edit, add, delete recipes</li><li>• Can sort recipes by specific attribute</li><li>• Can add ingredient to an available recipe</li></ul> | <ul style="list-style-type: none"><li>• MainActivity</li><li>• IngredientAdapter</li><li>• RecipeAdapter</li><li>• ShoppingListAdapter</li><li>• MealListAdapter</li></ul> |

| MealPlanActivity   |  |
|--|--|
| <ul style="list-style-type: none"><li>• Displays a list of meal plans for each specific date</li><li>• Create and view meal plans</li><li>• Add ingredients and recipes to mealplans</li></ul> | <ul style="list-style-type: none"><li>• MainActivity</li><li>• IngredientAdapter</li><li>• RecipeAdapter</li><li>• MealListAdapter</li></ul> |

| ShoppingListActivity   |  |
|--|--|
| <ul style="list-style-type: none"><li>• Displays list of ingredients currently in the shopping list</li><li>• Displays ingredients in your storage and in your meal plans</li><li>• Can add, delete, or view ingredients in the shopping list</li><li>• Can sort ingredients by specific attribute</li><li>• Shows status of "picked up" or not for each ingredient</li><li>• Can add "picked up" ingredients to the IngredientListActivity (ingredient storage)</li></ul> | <ul style="list-style-type: none"><li>• MainActivity</li><li>• IngredientAdapter</li><li>• ShoppingListAdapter</li><li>• MealListAdapter</li></ul> |

| Ingredient   |   |
|--|---|
| <ul style="list-style-type: none"><li>• This class stores an Ingredient object</li></ul> | <ul style="list-style-type: none"><li>• IngredientAdapter</li></ul> |

| Recipe  |   |
|---|---|
| <ul style="list-style-type: none"><li>• This class stores a Recipe object</li></ul> | <ul style="list-style-type: none"><li>• RecipeAdapter</li></ul> |

| ShoppingList  |   |
|---|---|
| <ul style="list-style-type: none"><li>• This class stores an arraylist of ingredients</li></ul> | <ul style="list-style-type: none"><li>• IngredientListAdapter</li></ul> |

| Mealplan  |   |
|---|---|
| <ul style="list-style-type: none"><li>• This class stores a list of recipes and ingredients</li></ul> | <ul style="list-style-type: none"><li>• MealListAdapter</li></ul> |

| IngredientList   |   |
|--|---|
| <ul style="list-style-type: none"><li>• Provides data of objects with the Ingredient class</li></ul> | <ul style="list-style-type: none"><li>• IngredientListActivity</li><li>• RecipeAdapter</li><li>• Ingredient</li></ul> |

| RecipeList   |   |
|--|---|
| <ul style="list-style-type: none"><li>• Provides data of objects with the Recipe class</li></ul> | <ul style="list-style-type: none"><li>• RecipeListActivity</li><li>• Recipe</li></ul> |

| ShoppingListAdapter  |   |
|--|---|
| <ul style="list-style-type: none"><li>Provides and manipulates data of objects with the ShoppingList class</li></ul> | <ul style="list-style-type: none"><li>ShoppingListActivity</li><li>ShoppingList</li></ul> |

| MealplanList   |   |
|--|---|
| <ul style="list-style-type: none"><li>Provides and manipulates data of objects with the Mealplan class</li></ul> | <ul style="list-style-type: none"><li>MealListActivity</li><li>Mealplan</li></ul> |

| IngredientFragment  |   |
|---|---|
| <ul style="list-style-type: none"><li>Manipulates data of objects with the Ingredient class</li></ul> | <ul style="list-style-type: none"><li>IngredientListActivity</li><li>RecipeAdapter</li><li>Ingredient</li></ul> |

| RecipeFragment  |   |
|---|---|
| <ul style="list-style-type: none"><li>Manipulates data of objects with the Recipe class</li></ul> | <ul style="list-style-type: none"><li>RecipeListActivity</li><li>Recipe</li></ul> |

| FirestoreDB   |   |
|---|---|
| <ul style="list-style-type: none"><li>initialization of firestore database functionality (to avoid repetition within classes)</li></ul> | <ul style="list-style-type: none"><li>IngredientActivity</li><li>MealPlanActivity</li><li>RecipeListActivity</li><li>ShoppingListActivity</li></ul> |