

CRC Cards:

**Class name:** CookingToGoal

**Responsibilities:**

- a. Main application to connect the GUI with the MealPlanner

**Collaborators:** GUIFrameMain, MealPlanner

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**Class name:** GUIFrameMain

**Responsibilities:**

- a. Manage all GUI components

**Collaborators:** Custom\_Interface\_Classes (TBD)

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**Class name:** MealPlanner

**Responsibilities:**

- a. Manage GUI communication
- b. Manage meal selection for week
- c. Manage shopping list creation

**Collaborators:** CookingToGoal, GUIFrameMain, ShoppingList, UserInfo, Calculator, RecipeBox, Meal

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**Class name:** RecipeBox

**Responsibilities:**

- a. Manage available recipes
- b. Manage the storage of available recipes

**Collaborators:** MealPlanner, Recipe, FileAccess

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**Class name:** Recipe

**Responsibilities:**

- a. Store recipe information

**Collaborators:** RecipeBox, Meal, Calculator, Ingredient

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**Class name:** Ingredient

**Responsibilities:**

- a. Store ingredient information

**Collaborators:** Recipe, ShoppingList

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**Class name:** Meal

**Responsibilities:**

- a. Store meal information

**Collaborators:** MealPlanner, Recipe

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**Class name:** Calculator

**Responsibilities:**

- a. Calculate the serving size for each meal in the weekly menu

**Collaborators:** MealPlanner, Recipe

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**Class name:** ShoppingList

**Responsibilities:**

- a. Generate a shopping list based on the provided meals

**Collaborators:** MealPlanner, Ingredient

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**Class name:** UserInfo

**Responsibilities:**

- a. Store user information
- b. Manage the storage of user information

**Collaborators:** MealPlanner, FileAccess

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**Class name:** XMLFileAccess

**Responsibilities:**

- a. Save provided information to XML files
- b. Extract information from XML files

**Collaborators:** RecipeBox, UserInfo