

# P4 Recipe (design)

```
public class Recipe implements Comparable<Recipe>
```

- ▶ Recipe
  - NAME : String
  - ingredients : String
  - instructions : String
  - Recipe(String)
  - getName() : String
  - getIngredients() : String
  - getInstructions() : String
  - setIngredients(String) : void
  - setInstructions(String) : void
  - compareTo(Recipe) : int
  - equals(Object) : boolean
  - replace(String, String, String) : String
  - toFileString() : String
  - toString() : String

# P4 RecipeList (design)

```
public class RecipeList
```

```
└─ RecipeList
```

```
  └─ recipeList : ArrayList<Recipe>
```

```
  ● add(Recipe) : void
```

```
  ● getNames() : String[]
```

```
  ● getRecipes() : Recipe[]
```

```
  ● getRecipe(String) : Recipe
```

```
  ● size() : int
```

# P4

## RecipeWrangler (design)

```
public class RecipeWrangler
```

```
  ◀ 🌐 RecipeWrangler  
    ◻SF SCNR : Scanner  
    ◻SF ALL : int  
    ◻SF EDIT : int  
    ◻SF LOAD : int  
    ◻SF SAVE : int  
    ◻SF EXIT : int  
    ◻SF MENU_OPTION : String[]  
    ◻SF SAMPLE : boolean  
    ◻ recipeList : RecipeList  
    ●S main(String[]) : void  
    ◻ start() : void  
    ◻ getMainMenuChoice() : int  
    ◻ handle(int) : void  
    ◻ displayAllNames() : void  
    ◻ editRecipe() : void  
    ◻ editInstructions(Recipe) : void  
    ◻ editIngredients(Recipe) : void  
    ◻ saveToFile() : void  
    ◻ loadFromFile() : void  
    ◻ getStringFromUser(String) : String
```