

**Project Name:** ReciSearch, Group 2

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Function Points: 18

## 1 External Input

- ReportRecipe(string recipeName) (Frontend) - 6

**Function/Output:** Sends an email/notification to the dev email, devforrecisearch@gmail.com, using EmailJS API

**Parameters:**

- The name of the recipe that is being reported

**Output:** Returns nothing, should send email to devforrecisearch@gmail.com

This is the ReportRecipe function on the frontend side of the application. It should send an email along with the recipeName to the email address given. This is an External Input since this involves sending data across the application boundary (to an email), but doesn't change anything or return anything.

## 2 External Output

- renderFetchRecipes(data) (Frontend) - 5

**Function/Output:** renders the received data to the frontend

**Parameters:**

- Takes in a parameter called data, which is a JSON object, the JSON has a key "meals" which has a list of objects. Each object has "strMeal (name of meal)", "strMealThumb" (URL to thumbnail of meal) and, "idMeal" (meal id)

**Output:** Returns a component of the frontend component.

This is the renderFetchRecipes function on the frontend side of the application. It should render the data it receives in boxes on the frontend. This is an External Output since this involves receiving data and displaying it to the frontend.

- FetchRecipes(string ingredients, boolean only, boolean include) (Frontend) - 7

**Function/Output:** Calls to the MealDB-API and fetches recipes using .fetch() function

**Parameters:**

- Takes in a parameter called ingredients, which is one ingredient.

- Takes a boolean parameter called `only`, which returns recipes with only those ingredients
- Parameter `include` is set to `true` or `false` depending on whether we want those ingredients or not.

**Output:** A JSON object, the JSON has a key “meals” which has a list of objects. Each object has “strMeal” (name of meal), “strMealThumb” (URL to thumbnail of meal) and, “idMeal” (meal id)

This is the `FetchRecipes` function on the frontend side of the application. Call to the `MealDB` API, and it returns a JSON object. This is an External Output since this involves receiving data from the API, and formatting it for the render function to work.