

# Design Sketch

## **Group 1**

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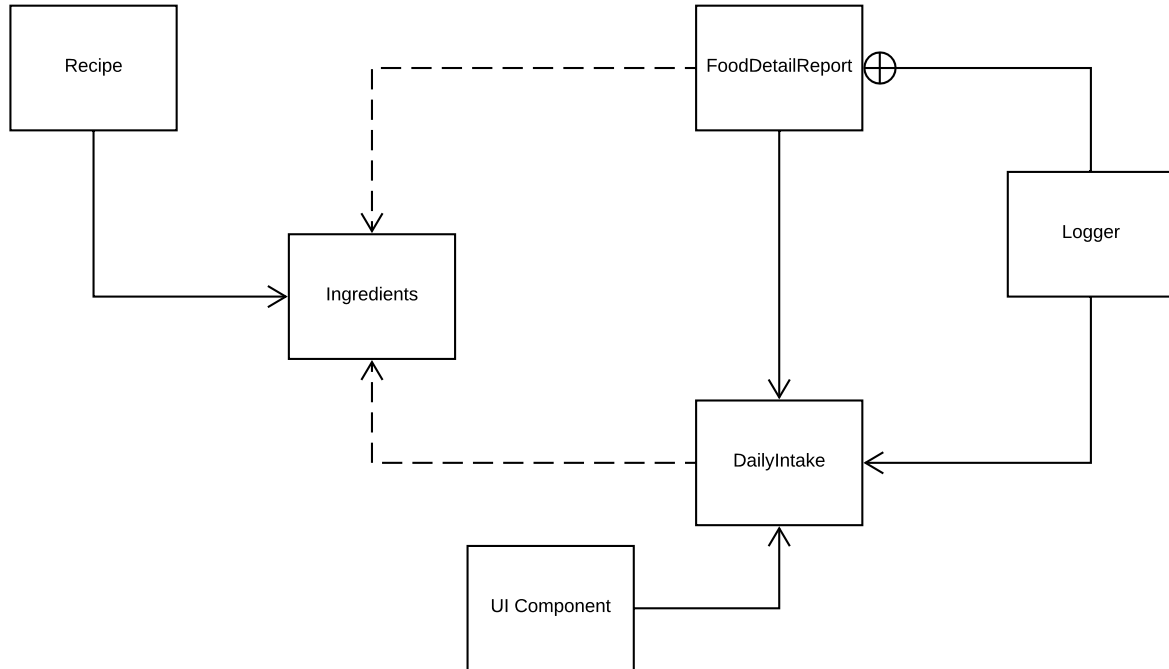
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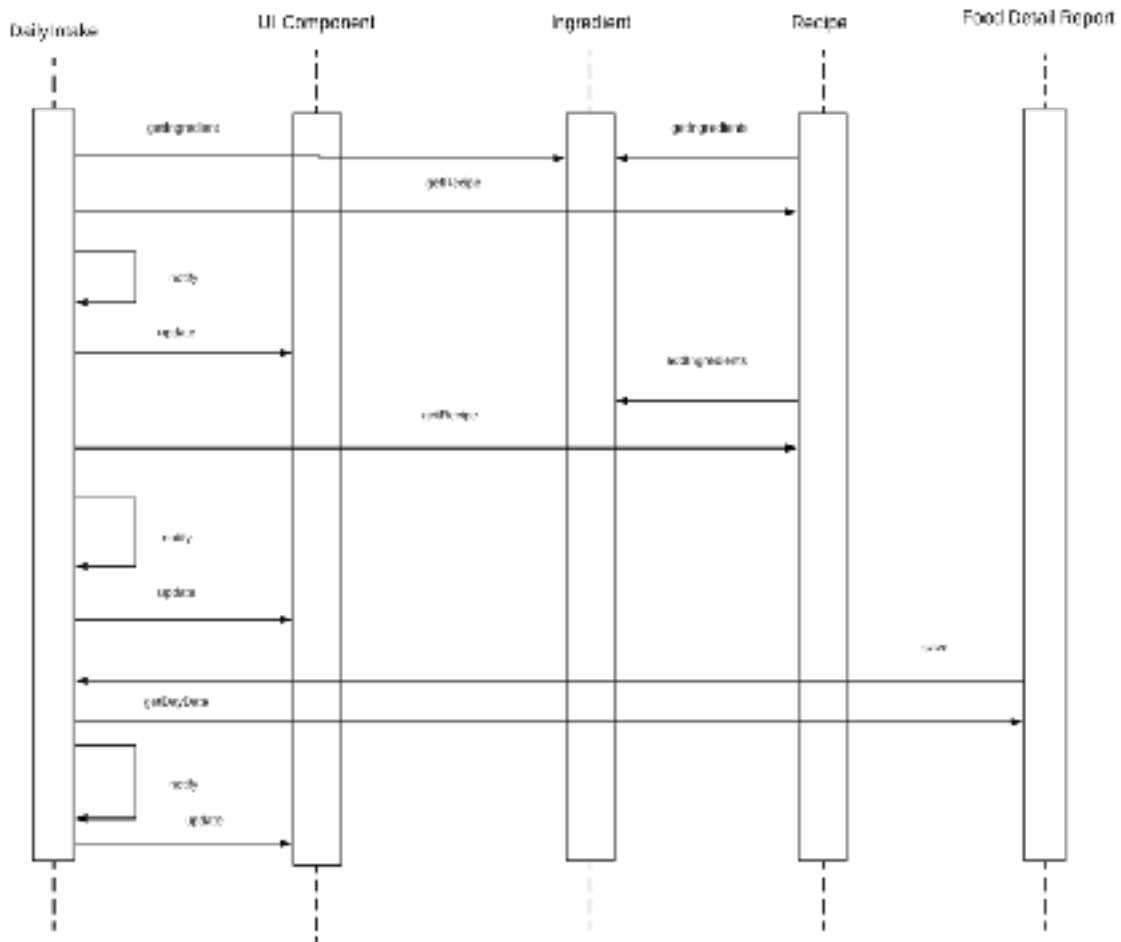
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Wednesday, 6 March 2019

# Class diagram



## Sequence diagram



# Brief description

DailyIntake	Keeps information about current weight and calories. It keeps track for the day food eaten. Used for setting values for weight and daily goals and to access recipe ingredients.
Ingredient	Stores information about what type of ingredients. This is used to access and set values for the ingredients. Such as calories, vitamins and proteins.
Recipe	This is keeping track with a list specify food ingredient for the controlled calorie level.
FoodDetailReport	This is used for storing daily progress of the daily intake of food. The progress is stored into a log file and also lets use access previous log information.
Logger	Used as a log writer for FoodDetailReport information.
UI Component	<p>Will be responsible for showing the application interface.</p> <p>The UI will consist of various buttons and options and will be user friendly. The UI will also observer each DailyIntake to update itself to display current information to the user.</p>

# Ideas

We believe this system is the best way to approach our project since we are centering around DailyIntake. DailyIntake is the centrepiece that has a relationship of what type of diet the user will take. We're making DailyIntake accessible to incorporate many different forms of diet. This will also help ease the future additions of components to keep track of progress.

In the future, we're planning to add components that will implement different exercise depending on the diet. So it's essential to make the diets easily accessible to the exercise component. We want the exercise components to not interfere with the ingredient, and recipe classes while also having a direct relations DailyIntake class.

Our UI is keeping track of our DailyIntake and gets update each time ingredients is being eaten. Since the UI has a direct relation with our DailyIntake, it's only getting actions being taken currently. We would in the future implement components that will check the progress of the DailyIntake by specific increments.