

3. Readme

Our decision for model: Most of our information is retrieved from the API. The only problem is when we want to get the energy of a dish, we need to use `Fatsecret.recipe(recipe_id)`. So when we fill the form with an amount of calories we need, we have to loop through all possible recipes. So we decided to use a database that saves the `recipe_id`, `recipe_name`, `recipe_rating`, `recipe_categories` and `recipe_calories`. So when user type in the number, it searches the database for calories less than the given number. We asked Josh about the validation and association, and he said he asked Swap that it is ok for based on different projects. We actually added validation for both database and user input. If user input is negative for calories or null, it will give a flash to hint users to input correctly.

Our decision for controller: We handled the user input validation in the controller. We chose to added them here is because it has nothing to do with the model.

We used food index to show the page where we can input and search. Than, we add search method in the controller to implement the function of search and show results in the `search.html.haml`. The functionality in here is because it is on the index page of foods and thus we decided to add function on this controller.

We used restaurants index to show the page where we can input and search. Than, we added search method in the controller where API is called. Results are showed in `search.html.haml`. The reason is the same as above.

The only thing we still don't know how to handle is when there user type in an invalid address. The API itself returns an error and display it directly on the page. We tried to catch it before it shows the page but failed. That is what we will try to implement next iteration and we will do more test and view stuff.

For using our project:

1. run `rake db:migrate`
2. then, go to the config folder and find the file `recipe_data_fill`. uncommon all the lines
3. rails s

Since our information is in our database and those are not given by users, we have to use API to get data first.