

# Night-In

## Team 19

### Project Charter

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## **Problem Statement**

Becoming an amateur home chef is a skill that many aspire to acquire. Our web-application gives the ability for anyone to quickly go online and create their own personal recipe book filled with custom, and tailored recipes based on their preferences. Preferences can be based on dietary restrictions, access to ingredients, or personal taste. Many online recipe websites contain massive amounts of fluff around the information the user is looking for, and don't allow the user to substitute similar ingredients. Our product will not only be straightforward with instructions and allow the user to save their favorite recipes and provide ratings, but will also allow for the substitution of ingredients based on the previously mentioned preferences of the user. Furthermore, we will provide a way for users to track the ingredients that they have on hand and allow them to make foods with only the ingredients they have or allow them to get a cost estimate for recipes with which they don't have all the ingredients for.

## **Project Objective**

- Create a webpage to allow people to search for recipes based on specific ingredients, dietary restrictions, and/or taste
- Allow users to search for recipes without having to sign in
- Allow users to save recipes, rate recipes, and add notes
- Add functionality to track ingredients
- Build out a fully automated test suite for the project
- If time allows, we plan on also adding meal prep functionality to the app where users can build out a schedule of what they plan on eating over a given week.

## **Stakeholders**

- Software Developers: Ryan Sand, Jaden Zerbe, Samuel Ingram, Adam Kogut, Kevin Murcia
- Project Coordinator: Dohyeong Kim
- Users: People in need of recipes
- Product Owners: Ryan Sand, Jaden Zerbe, Samuel Ingram, Adam Kogut, Kevin Murcia

## **Project Deliverables**

- The front-end will be constructed using React with Redux hosted on Firebase while attempting to adhere to an MVC architecture.
- The back-end will be constructed using Node.js with Express hosted on AWS with a MongoDB database. The back-end will hopefully implement OAuth for an added layer of security.
- The front-end test suite will be built using Nightwatch.js automated tests where we will take a Big-Bang approach to testing followed by front-end unit tests with Enzyme where we will test the individual React UI components that we make.
- The back-end tests will use Mocha along with Chai HTTP to test the individual endpoints of our server to be sure that the http requests sent to it are handled properly.
- We intend on getting our ingredients data from the Spoonacular API.