

# Product Requirement Document

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# Goal


Cooking is essential in everyday life and there's nothing more frustrating than having to go through multiple Google searches as well as a ton of filler text before the actual recipe. Even while cooking, it's easy to forget about the process when things come up. Our product aims to solve the problem of useless text filling up the screen and only focusing on what's important as well as a method to keep users notified. The product allows users to quickly search for recipes with only a simple keyword as well as a simple and interactive UI for easier navigation throughout the cooking experience.

# User Personas

Student:

PROJECT: Persona 1

NAME	MARKET SIZE	TYPE
Robert Hopkins	 60 %	Stingy



**Goals**

I would like to graduate with a graduates degree

**Background**

I live in an apartment near my university and living within the middle class. I do not receive too much money for education and work a minimum wage job. Most of my wages goes towards rent, utilities, with food being last on the last of my priorities.

**Demographic**

♂ Male 20 years

📍 United States

Single

Student

Fast-food chain worker

**Motivations**

Good grades  
High wage job  
Marriage



**Frustrations**



Not enough time for activities  
Limited use with money  
Tons of classes  
Self-dependent

**Quote**


“A product that has a login and bookmark ability so no matter where I log in, I'll have access to the recipes that I have saved and be able to use them whenever they are needed.”


**Technology**


**Browsers**


  
Chrome



## Households:

PROJECT: Persona 1

NAME	MARKET SIZE	TYPE
Marilyn Schultz	 30 %	Caring




**Goals**


To be able to cook a wider variety of fulfilling dishes for me and my family.

**Background**

I'm a mother of four, full-time job, living in the suburbs, college graduate and fitness fanatic working her hardest to take care of the family

**Demographic**

 Female  years



**Motivations**

Raising healthy children  
Cooking new recipes that they'll all love  
Open to trying new things



**Frustrations**

Limited time spent for family  
Spends too much money on food delivery services/takeout

**Quote**


*"I would love a product that features a variety of ethnic foods, options, snack options. Easily accessible for all ages, especially for younger children who are picky eaters."*


**Technology**

## Educators:

PROJECT: Persona 1

NAME	MARKET SIZE	TYPE
Roger Wheeler	 10 %	Strict




### Goals


To demonstrate my knowledge and creativity of the culinary world onto my students and help hone their skills towards culinary-related careers.

### Background

I'm a father of 2 sons with a loving wife taking care of them at home. I spent 3 years to hone my skills within a culinary program at a culinary university and went into the industry for 2 years under an apprenticeship before becoming a fully fledged chef for 7 years.

### Demographic

 Male  years



### Motivations

Passion towards cooking  
Creativity when it comes to making new dishes  
Giving a helping hand towards my students who are struggling









### Frustrations

Unable to help students outside of office hours and class time  
Unable to quickly respond to students immediately outside of class time

### Quote


*I would like to assist my students in any way I can to help them prepare for the growing career in the culinary field, especially outside of class hours when I am unavailable to help them out.*


### Technology

## System Administrator:

PROJECT: 491

NAME	MARKET SIZE	TYPE
Admin	 5 %	Guardian



### Goals

Be able to maintain and oversee the quality of the program. Be able to identify problems and solutions in real time.


### Quote


“ The secret is to make sure the business is running to perfection, with or without me. ”

### Background

Been a system administrator for 5 years, been working in the culinary industry nearly 20 years. Father of 5 children.

### Demographic


 Male  years






### Motivations

- Provide a clean and simple User Interface
- Help others cook things they have never been able too cook.

### Browsers

  
Google Chrome

### Technology



guestUser:

PROJECT: 491

NAME


guestUser - Roger

MARKET SIZE

70 %

TYPE

Idealist



Goals

I would like to find easy and practical recipes that will be simple enough to do at home.


Background

Has been trying out new cook books and online websites to find recipes. It is too difficult trying to understand some of the things these recipes mention. Father of 2. Going to school for my MBA.

Motivations

- Wants to learn how to cook with an easy way
- Wants to cut back on going out to eat
- Wants to have healthier meals

Browsers



Google Chrome

Demographic

Male

32



years



United States



Married

Financial Advisor

Technology







userAccount:

PROJECT: 491

NAME


userAccount - Brenda

MARKET SIZE

25 %

TYPE

Rational



Goals

I would like to find different categories of recipes i.e Mexican, Greek, American, Indian, etc.  
I would also want to be able to save the recipes I loved and would want new similar recipes to be recommended to me when I am looking for things to make.

Background

College Student who has no time to cook complicated meals. Wants find easy recipes to save for future reference. Completing her last year in college.

Demographic

Female

21

years

United States


Single

Health Science Admin

Motivations


- Wants to learn how to cook with an easy way
- Wants to cut back on going out to eat
- Wants to have healthier meals
- Have my own personal log of saved recipes or recipes I have viewed/


Browsers




Google Chrome

Technology









# User Stories

## System Admin

1. As a system admin, I want to be able to add a Guest User so that they can become an Account User.
2. As a system admin, I want to be able to delete an Account User so that Account cannot be used.
3. As a system admin, I want to be able to update the details of my application so that the application will keep updated details always.

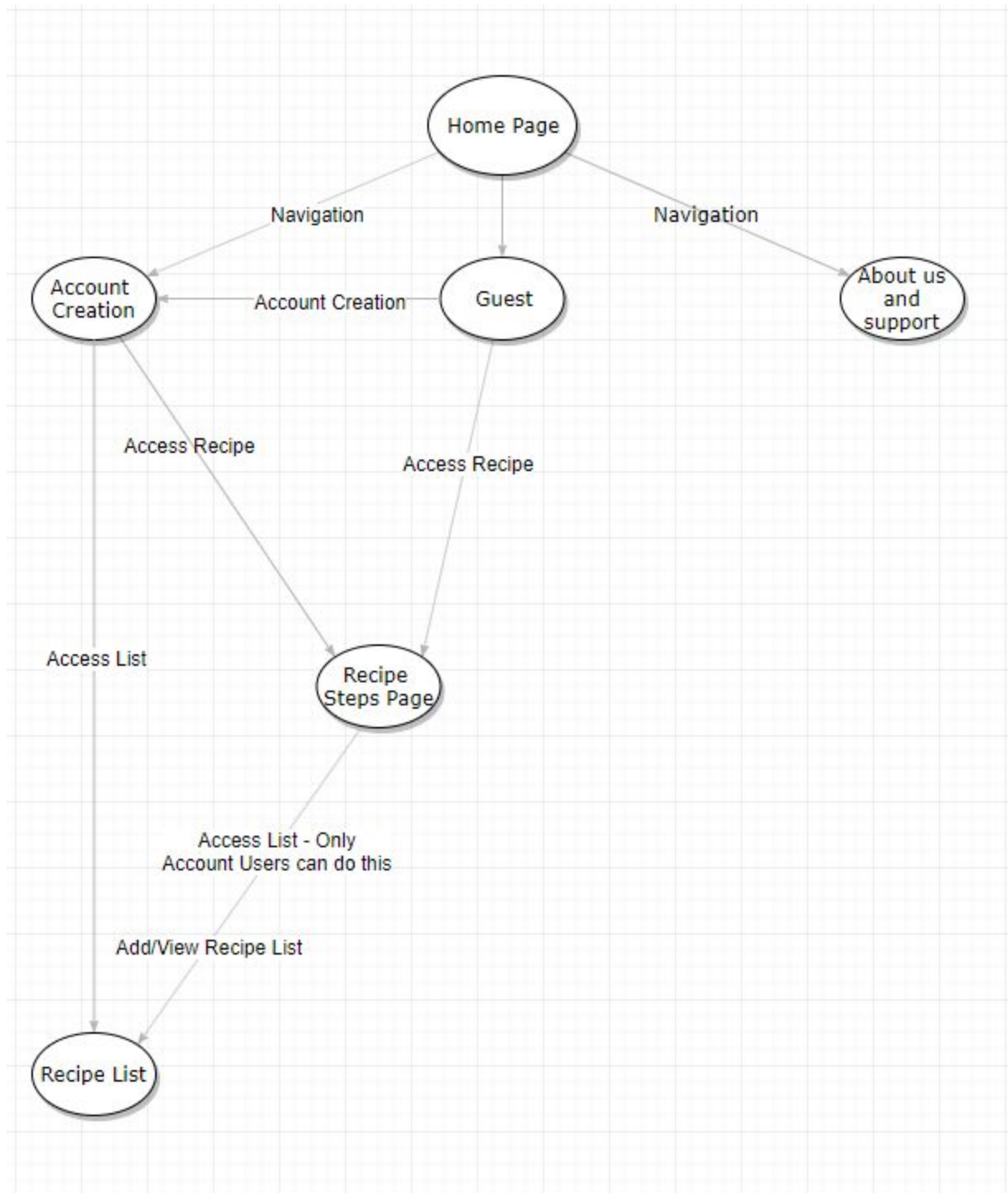
## Guest User

1. As a guest user, I want to be able to search for recipes so that I can use the feature of the system to search for the recipe and preparation that I need.
2. As a guest user, I want to be able to register for an account so that I can become an Account User and use the Account User's features.
3. As a guest user, I want to be able to sort the recipes I have searched so that I can view them by multiple categories in order to search for specific ones.

## Account User

1. As an account user, I want to be able to search for recipes so that I can use the feature of the system to search for the recipe and preparation that I need.
2. As an account user, I want to be able to login to the system so that I can use the features of the system to accomplish what I need.
3. As an account user, I want to be able to reset my password so that I can create a new password to login to the system.
4. As an account user, I want to view my list of recipes so that I can check on the details of my list of recipes.
5. As an account user, I want to be able to add recipes to my list so that I can save the recipe into a list of other recipes for future use.
6. As an account user, I want to be able to delete recipes off my list so that I can get rid of recipes that do not interest me any longer.
7. As an account user, I want to be able to sort the recipes I have searched so that I can view them by multiple categories in order to search for specific ones.

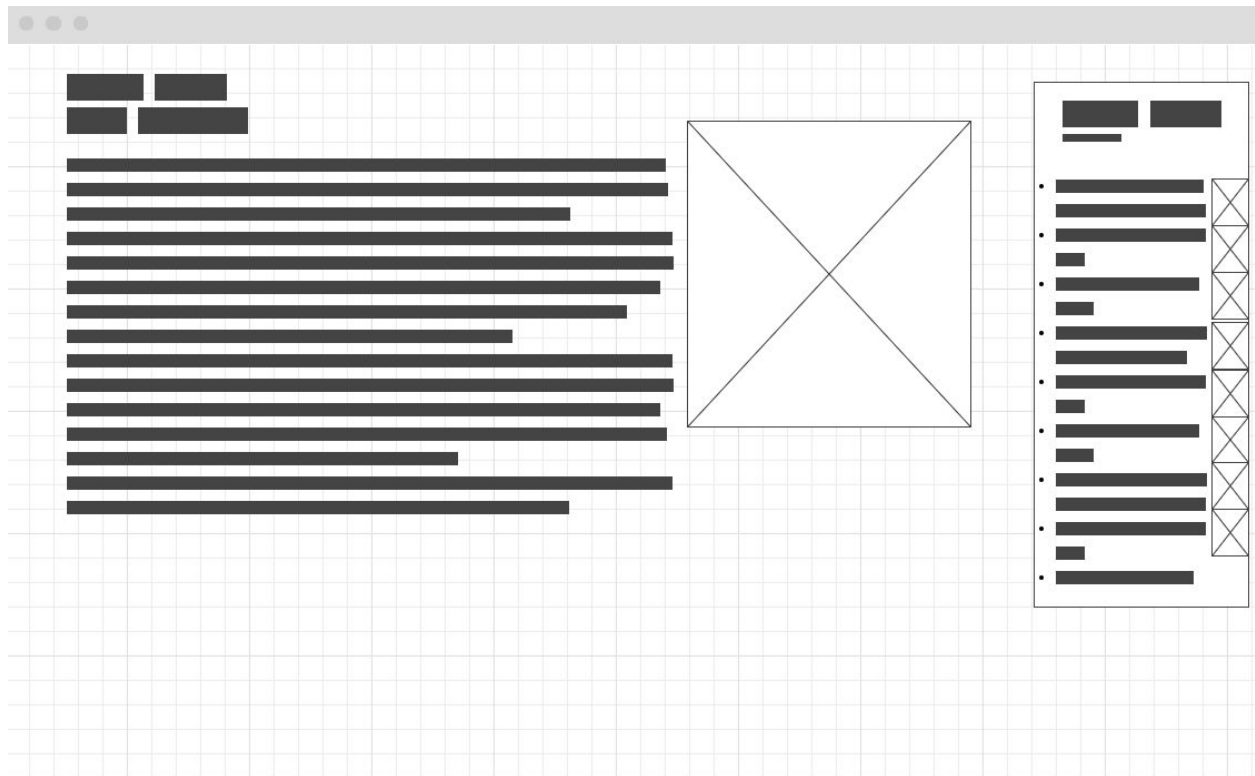
# Server Site Map



# Page Description

Page	Elements
Login/Home Page	The ability to login in to your account
Recipe List	All recipes that the user has saved for future usage.
Recipe Page	Shows the recipe steps that the user requested. Will also have suggested recipes on the side
About Us/Support	A page that describes our group as well as getting in contact.

# Wireframe and Interface



# Additional Functional Requirements

1. Account users can edit their own information such as username, password, and other information after user account creation.
2. There will be a string limits upon the user account creation process.
3. There will be a prompt for the user to login or view as a guest upon the home page.
4. After a recipe have been created, the user can select whether or not they would like to view another recipe.
5. In the search bar, there will be a string limit of 50 words.
6. There will be a choice of saving a recipe to an account's list upon searching.
7. The user will have a choice to display all their saved recipes from the account's recipe list.
8. Users can request support from the support team if any error occurs upon usage of the application.
9. There are no limits to the amount of recipes an account user can save.
10. The step-by-step process of a recipe shall be numbered in the appropriate order.
11. System administrators can maintain the application as well as the account information of all registered users.
12. Guest Users must be registered in order to save recipes to a dedicated list.
13. All users should be able to sort the recipes by multiple categories when searching for a specific recipe.

# Non-functional Requirements

Reliability	<ul style="list-style-type: none"><li>• All data should be processed within 3-5 seconds of receiving it from the API and server.</li><li>• All data should be processed without delays.</li><li>• Data requested by the user must be presented in a clean format for the user to understand.</li></ul>
Scalability	<ul style="list-style-type: none"><li>• The program must be scalable enough to support up to 100 account users being created per hour.</li><li>• The program must be scalable enough to support up to 10 accounts being deleted per second.</li><li>• The program must be scalable enough to allow more than 30 registered users (standard classroom size) at a time.</li><li>• The program must be scalable enough to support more than 100 requests from an external API to satisfy user requests.</li></ul>
Supportability	<ul style="list-style-type: none"><li>• A user manual must be created to allow ease of access for the users</li><li>• All changes after the program have been deployed must be documented</li><li>• Errors when taking in any user request should not halt program execution, as they will become accounted for and the system will allow the user to continue with the program</li></ul>
Maintainability	<ul style="list-style-type: none"><li>• There must be effectiveness and efficiency when updates are made to the code</li><li>• Object Orientated Programming must be considered to reduce the degree of work when updates are made to the code</li></ul>
Portability	<ul style="list-style-type: none"><li>• The program should be able to run as a web application on any browser.</li><li>• The program should be able to run as a chrome extension on the Google Chrome web browser for ease of accessibility.</li></ul>

## Performance Requirements

1. This application shall be both a web application as well as a Chrome extension. The front-end of the application shall be handled by React and the back-end will be handled by Google's Firebase.
2. The loading time of the application is dependent on the user's searches, which shall retrieve the requested recipe and display it to the user. In addition, all searches and retrieval shall be based on the internet connection of the user.
3. The performance shall also be dependent on the user's hardware components of the user. The Chrome extension is limited only to the Google Chrome web browser while the web application will be available to all web browsers.

## Future Iterations

1. As of 12/4/2019, the login page and account creation has finished.
2. Future iterations would include:
  - a. functionalities of the application such as:
    - i. Retrieval of recipes
    - ii. Search bar
    - iii. Ability to save recipes and display them
    - iv. Viewing account information and the ability to edit them
    - v. View recipes as both a guest and registered user
  - b. UI of the web application/extension
3. Other functionalities and updates will be made that is not currently mentioned as of the date of this writing.