

## Team 16

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## 1. Project vision

### Vision statement

- For people looking for a healthier, more involved lifestyle
- who need to use their ingredients,
- the Natural Ingredient System
- is an information system
- that will provide a wealth of cooking recipes to people that are looking to broaden their diet.
  - The system will provide a variety of cooking recipes that can be accessed right at your fingertips.
  - This system will provide ingredient filtering of recipes to save world food waste.
- Unlike current Icelandic eating habits,
- our product will simplify the decision making process and provide an easy opportunity for people to use the ingredients they already have.

### 1.1 Background ( What triggered this )

- Based on recent studies it appears that roughly 60% of all web users use the internet on their smartphones. Of that 60% we can also see that 90% of that time is spent using apps rather than the browser itself. This indicates that there is a large market we could reach by providing a smartphone application. Additionally this would make it easier to access recipes while cooking.

### 1.4 Success metrics

- Measure our application downloads and engagement and use that to springboard into bigger advertisement offers

### 2.2 Scope of initial release

- The service should have a reasonably sized bank of recipes that can be filtered by desired ingredients.

### 2.3 Scope of subsequent releases

- Creator tier to allow user recipes
- Additional login methods such as Google Credentials or Facebook
- Voice integration for search features
- Recommender system for registered users

### 3.3 Deployment considerations

- A relatively new android smartphone ( Android 6.0 ) is required for guaranteed application support.
- The application requires an internet connection to run and fetch information.
- It will initially be available on the Google Play store.

## 2. Product backlog

### User Stories

1. As a user it would be comfortable to have recipes initially shown in brief format so that I can quickly flip through them.
2. As a user I would like to be able to quickly search recipes by keywords. This would make it easier to find the dishes I want in a mobile environment.
3. As a user I would like to have the ability to filter recipes by their ingredients. This will enable me to use the ingredients I already have at home.
4. As fitness coach I want the ability to filter recipes based on the nutritional requirements of my clients diet. This will let me quickly put together meal plans for my work.
5. As a user I want to be able to give recipes I have used a rating. This way I can let others know which recipes are worth trying.
6. As a user I would like to be able to order recipes by their rating grade. This way I can be sure that I will be using a good recipe.
7. As a user I would like to be able to sort recipes in order of their macro nutrients. This will let me pick healthier versions of the meals I am looking for.
8. As a user I want to be able to create an account so that I can more easily interact with the app.
9. As a user I want the app to remember me so that I don't have to waste time entering my details every time.
10. As a user I want to be able to store my favorite recipes. That way I can easily find them later.
11. As a user I want to be able to share recipes to my linked social media accounts. This will allow me to let friends know what I'm cooking.
12. As an ad provider I want my products to be shown on relevant recipes. That way interested people can buy my product.

## 3. User Story estimates ( hours )

- Sprint\* indicates potential overflow of expected case.

Feature	Sprint	Priority	Best Case	Most Likely Case	Worst Case	Expected Case
1.	1	10	3.5	4	5	4.1
2.	1	10	10	12	14	12
3.	1	10	6	7	9	7.2
4.	2	20	4	5	5.5	4.9
5.	2	20	3.5	4	5	4.1
6.	2	20	5	6	7.5	6.1
7.	2*	20	10	11	13	11.2
8.	3	30	6	7	8	7
9.	3	30	2	2.5	3	2.5
10.	3	30	5	6	7.5	6.1
11.	3*	30	8	9	11	9.2
12.	4	40	10	20	30	20
<b>Total</b>						<b>94.4</b>

## 4. Project schedule

- Sprint 4 and related milestones are tentative.

Week	From	To	Project	Return Assignment	Presentation	Sprint	Milestone
1	2022.01.14	2022.01.16	Requirements				
2	2022.01.17	2022.01.23	Requirements				
3	2022.01.24	2022.01.30	Requirements				
4	2022.01.31	2022.02.06	Requirements	ret. #1			
5	2022.02.07	2022.02.13	Design		expl. #1	1	
6	2022.02.14	2022.02.20	Design			1	
7	2022.02.21	2022.02.27	Design	ret. #2		1	Core architecture Design Model Keyword Search Initial Filters
8	2022.02.28	2022.03.06	Programming		expl. #2	2	
9	2022.03.07	2022.03.13	Programming			2	
10	2022.03.14	2022.03.20	Programming	code review		2	Additional Filters Rating System Sorting System
11	2022.03.21	2022.03.27	Code Review	ret. #3		3	
12	2022.03.28	2022.04.03	Programming		expl. #3	3	
13	2022.04.04	2022.04.10	Programming			3	Login/Register Recipe Storage Social Media
14	2022.04.11	2022.04.17	Programming			4*	
15	2022.04.18	2022.04.24	Presentation	ret. #4	expl. #4		Ads*