

Software Requirements Specification:

Introduction:

Project's goals -Creating a new platform of food sharing, smarter resources usage and planning. Our application's main goal is to help users plan their weekly meals, generating a precise ingredients list to buy and sharing recipes with friends and followers (social app).

Our target audience are foodies who love to share and consume food related content and save resources along the way. Nowadays our social apps are based on us sharing our personal life with anyone who has access. The user is measured by his/her/their looks, lifestyle, popularity and so on.

Those apps suit people who like to share personal details or consume others.

Not everyone likes to share these kinds of personal details.

Smarter foodies will give any users the opportunity to share their talent and success with friends leaving the personal aside. In addition, each year, 108 billion pounds of food is wasted only in the United States alone. That equates to 130 billion meals and more than \$408 billion in food thrown away each year. Shockingly, **nearly 40% of all food** in America is wasted. because most people buy their food at the grocery store according to their craving at that moment, in addition to a pre-prepared list of their regular grocery's usage.

Smarter foodies will help the user prepare a more precise grocery's list and refer them to an online grocery store website. Which we hope will reduce our user's food waste.

Scope:

Essential:

Smarter foodies will have two kinds of users, chef, and guest. Any user can search for a specific recipe, plan his/her weekly meals, generate the ingredients list, and get notifications from the app accordingly.

Implement a social media app (Instagram like) for food. Any user will have a profile page where he/she could upload a picture, some personal information and his recipes.

User's will have the ability to search for a specific profile and follow his friends..

Only a chef can add new recipes so everyone can see and search, which will be added to the initial scraped data from an existing recipes site.

Regular users can add recipes only on his/her/their profile page where only his friends and followers can see.

Desirable:

1. After generating an ingredients list, point the user to the most relevant market site.
2. Listing existing ingredients and searching for matching recipes.
3. Adding a feature to upload recipes more easily.

Not included:

This is not an ordering app.

There will not be a platform to upload videos.

Regular users uploads will not be validated.

Overall Description:

What You Will Build?

Smarter foodies is not based on an already existing app.

In Software-Engineering class we are implementing an app that integrates with our project.

Furthermore we will integrate with existing APIs, and databases.

Our product will have two types of users (chef, and regular)- the difference is that only a chef who will be approved by us could upload recipes to the main search and not only to his fid.

smarter foodies for now are only for android users and for operating systems that are still supported by android.

System Features and Requirements:

Specific Requirements?

Functional Requirements:

- Sign-in (regular & chef).
- Log-in.
- Scraping- set the initial data.
- CRUD recipes from database.
- Search & filter specific data.
- Search & filter specific users.
- User fid.
- Choose your weekly meals.
- Make a grocery list.

Non Functional Requirements:

- Notifications.
- profile page (user/chef).
- Efficient search.
- Like & unlike - mark your favorites list.
- Get a random recipe from your liked list.
- Users comments.
- Follow & unfollow.
- Add to cart & remove.
- Refer to a grocery store website.

