

NomNet Technical Specifications

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Total 90 Hours

FUNCTIONALITY (82 hrs)

Registration and Login Total: 10 Hours

UI for Login Page and Registration Page: 4 Hours

- The Login Page will have text fields and button to login
- The Registration Page will have text fields and a button to register

Functionality: 6 Hours

- Registration requires valid email, unique username, and password
- The password will be encrypted
- Login will send email and password to be compared against central server records
- Once authenticated, user will be sent to food feed page

Noms/Posts Total: 18 Hours

UI for Noms/Posts: 8 Hours

- Posts will have a picture of food, ingredients used, and recipes.

Functionality: 6 Hours

- Noms will also suggest similar or related noms
- Users can favorite and comment on posts
 - Users can interact at the same time (multi-threading)

Commenting: 4 Hours

- Only registered users can comment on noms.
- The most recent comments will be displayed at the top.

Search Total: 18 Hours

By Keyword 6 Hours

- Users should also be able to search through Noms using a keyword search bar
- Results (Noms) should be returned on the same page

AutoComplete 8 Hours

- As the user types we'll check against the list of tags stored in our database and try to suggest words for the user to choose from. (Multi-threading)

By Category 4 Hours

- Users should be able to search through five categories: Vegetarian, Vegan, Breakfast, Lunch, and Dinner
- Results should be returned on the same page

Food Feed Total: 6 Hours

- The app should default to this page on startup
- Users should be allowed to "Like" Noms
- Show the most popular posts by likes (multi-threaded updating)
 - Users must be logged in to like Noms

- Users who have not logged in should be directed to the login page when they click anything on this page (this includes Noms, “Like” buttons, the camera button, the profile button, and the notifications button)

Toolbar Total: 4 Hours

- There will be a persistent toolbar at the bottom of the app where the user will be able to choose what page to view. The options are: Food Feed, Search, Camera, Notifications, and Profile.
- The toolbar which page you are currently on.
- Clicking on one of the options on the toolbar will take the user to the appropriate page.

Profile Page Total: 6 Hours

- This page displays your profile picture and your username.
- The user will be able to modify account settings and log out from here.

Account Settings Total: 2 Hours

- Users should be allowed to change their passwords

Photos Total: 8 Hours

- Users should be able to upload photos from the phone gallery
 - Any photos taken from the gallery will be cropped to make the image square
- Users should also be able take photos using the app’s camera

Notifications Total: 8 Hours

- Users should be notified when any of their posts receive comments
 - These will appear as push notifications as well as in the app

DATABASE (8 hrs)

Creation of Database Tables 8 Hours

- The database tables will have five tables: Users, Noms, Recipes, Images, and Comments
- The User table will be used for validating users and contains unique username, email, and password.
- The Nom table will be used for keeping track of user posts and contained post creator id, image id, unique nom id, number of likes. food name, recipe id, tags (array)
- The Recipe table will be used to store the different aspects of a recipe and will consist of dish name, ingredients (array), instructions, and image id.
- The Image table will be used to store all the images and will have the image file itself, unique id for image, and name.
- The Comments table will store all the comments and will have the comment text, the comment creator’s user id, a timestamp, and the id of the nom it was posted on.

Changes

The initial vision we had for the app ignored a few key usability functionalities and had extraneous features. We modified the app to account for this fact.

One change we made was the removal of the Friend Feed. We realize that people want to see recipes and good food and we do not want social influence to affect or bias the rankings of the “Noms”. We decided to remove the friend functions, such as followers, Friend Feeds etc. to account for this fact.

We also removed the downvote feature. We are a positively thinking organization and believe that encouragement is at the core of our app’s values. Thus, we decided to remove the downvote despite popular demand. We believe that that this will encourage more positive thinking and allow for a higher level of positive engagement. This also allows us to use more intuitive design patterns and conventions, similar to what Instagram has done. The overall layout will fill much more of the mobile screen, making it look much more nicely designed.

We realized that the trending posts would appear on our Food Feed and thus merged the two. Without friends, we want to encourage people to see the top foods each day. Thus, it is important that we share this on the main feed for users, the Food Feed.

Finally, the last main change we have made is the overall user onboarding flow. Instead of immediately pushing users to the login page, we are now allowing them to directly access the amazing photos of the food in guest mode. We then encourage the users to sign up there. Again, the main mission for NomNet is to deliver happiness through food. We believe by allowing more users to see the food without a high barrier to entry will allow us to share our mission with the world.