



MAD Assignment 2

Ho Yee Mei (S10222428H)

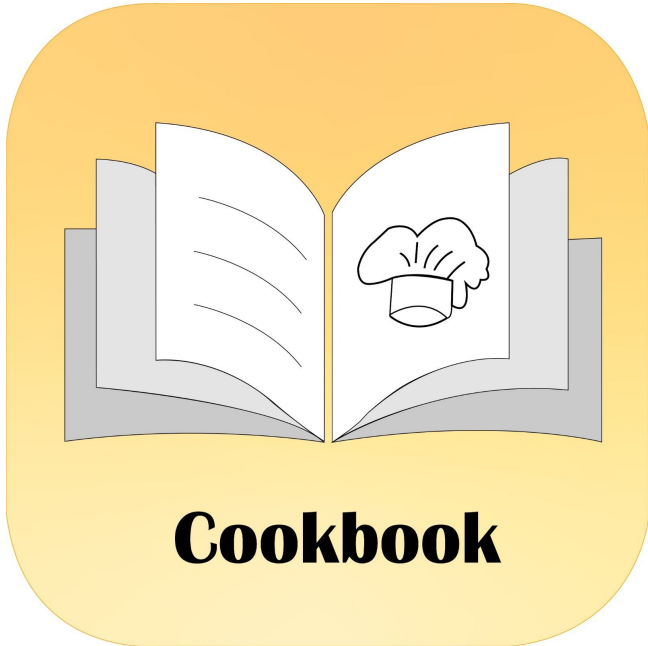
Lim Wee Liang Kelven (S10221788K)

Koh Yu Xuan Darren (S1019494C)

Yeo Yuan Ting, Annettejoy (S10223054F)

Ambrish Krishna Muralitharan (S10223486G)

Introduction of App



Category of App: Lifestyle

Purpose of App: Provide Local Recipes for Users

Target Audience: Food Enthusiast who want to try out local food

App Features



Different Features Available:

- Login, Sign Up, Forgotton Password Page
- Home Page
- Search Page
- Create Recipe Page
- Profile Page

Enhanced Functionalities



Enhanced Functionalities:

- Search Function for the Recipes Available
- Database for the User Account
- Database for the Recipes available



Login page

Yeo Yuan Ting, Annettejoy (S10223054F)

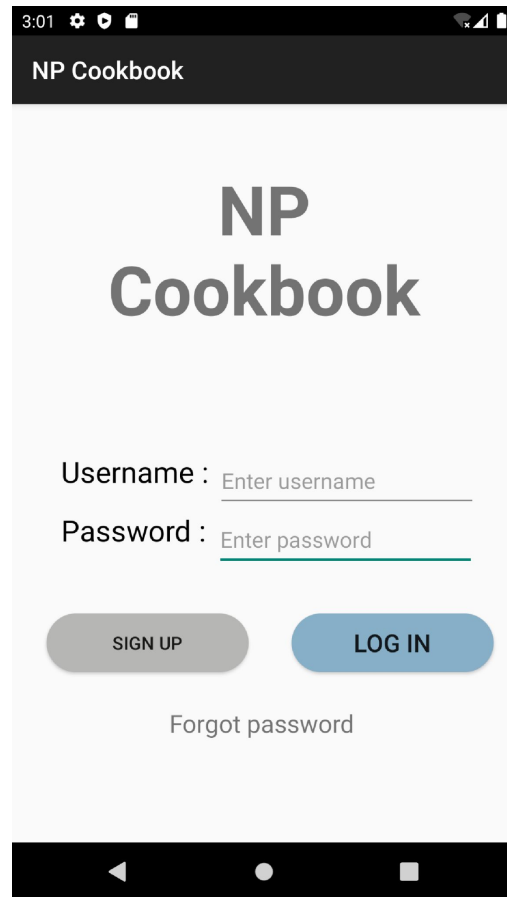
Before



- No database to store user information
- Unable to implement signing up for new users and changing of passwords
- No data validation

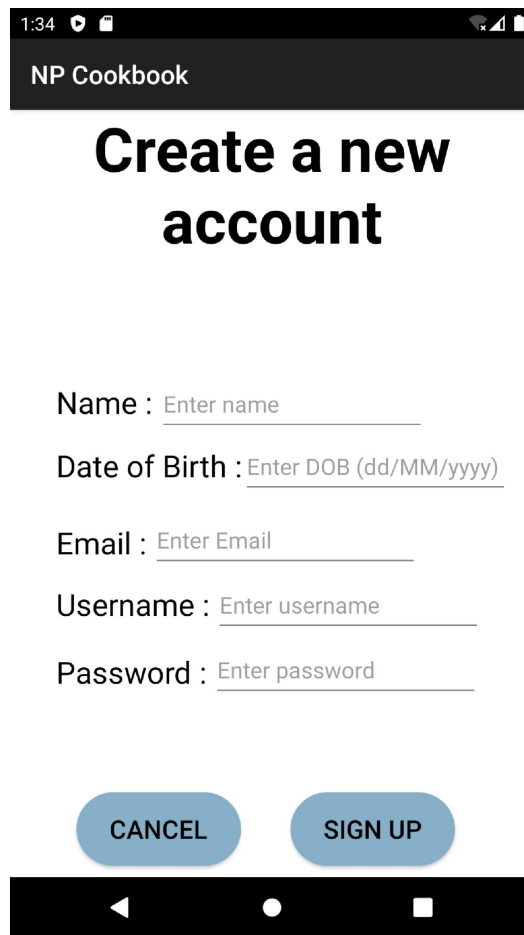
After

- SQLite database was added
- New design
- Added new features
 - Signing up for new users
 - Changing of passwords
 - Input validation



Signing up for new users

- Allow users to input their name, username, email, DOB, and password
- Input validation
 - Checks if username is already used
 - Checks for empty fields



The image shows a mobile application interface for creating a new account. At the top, there is a status bar with the time 1:34 and various icons. Below it is a dark header with the text "NP Cookbook". The main title "Create a new account" is displayed in a large, bold, black font. Below the title are five input fields, each with a label and a placeholder text: "Name : Enter name", "Date of Birth : Enter DOB (dd/MM/yyyy)", "Email : Enter Email", "Username : Enter username", and "Password : Enter password". At the bottom of the form are two blue buttons: "CANCEL" and "SIGN UP". The entire interface is set against a white background.

1:34

NP Cookbook

Create a new account

Name :

Date of Birth :

Email :

Username :

Password :

CANCEL SIGN UP

Changing of passwords



Changing of passwords:

- Asks user for email and checks if the same email exists in the database
- Uses OTP as a 2FA
- Checks if old password matches new password
- Checks if re-confirm password matches new password
- Checks for empty fields

Changing of passwords cont

1:36 NP Cookbook

Forgotten Password?

Enter your email and we'll send you an OTP to verify, to get back into your account.

1:42 NP Cookbook

Forgotten Password?

An OTP was sent to your email.

575775

Warning! OTP expires in 8 seconds

1:43 NP Cookbook

Forgotten Password?

Issues faced



Signing up for new users:

- Checking if the DOB entered is in the proper format
- Original idea was to allow users to use images for their profile picture, but was unable to do so

Changing passwords

- Original idea was to send the OTP to the user's email, but was not able to do so



Home page

Ambrish Krishna Muralitharan (S10223486G)

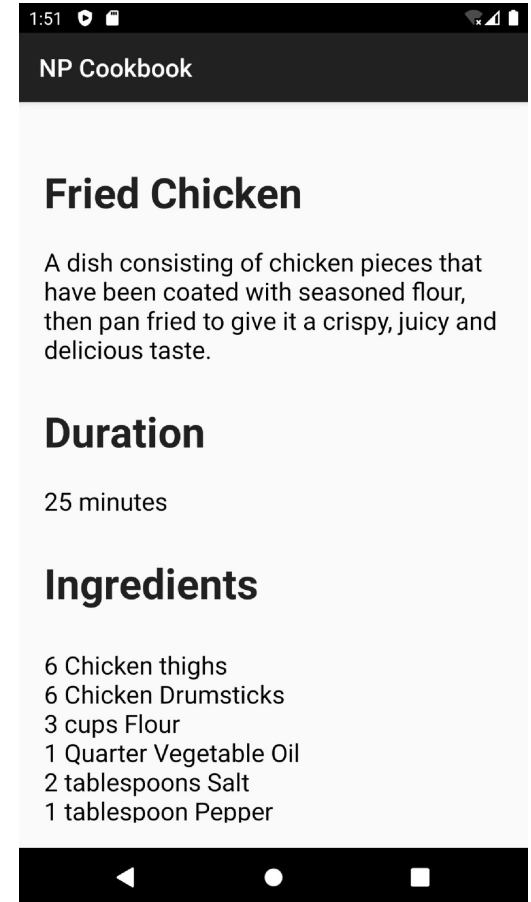
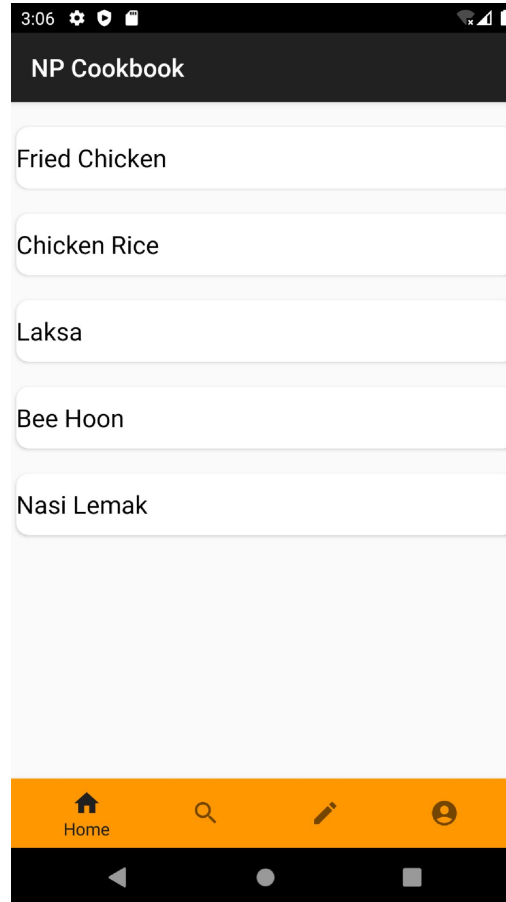
Before



- No database to store recipes
- Unable to show new recipes
- No Bottom Navigation Layout present
- Use of Images for recipes

After

- SQLite database was added
- New recipes are shown
- New design
- Added a bottom navigation bar
- Removed recipe images



Issues faced



- Original idea was to show the recipe images, but was unable to do so
- Upon running of app, certain activities in the Bottom Navigation View did not work when clicked upon



Search page

Ho Yee Mei (S10222428H)

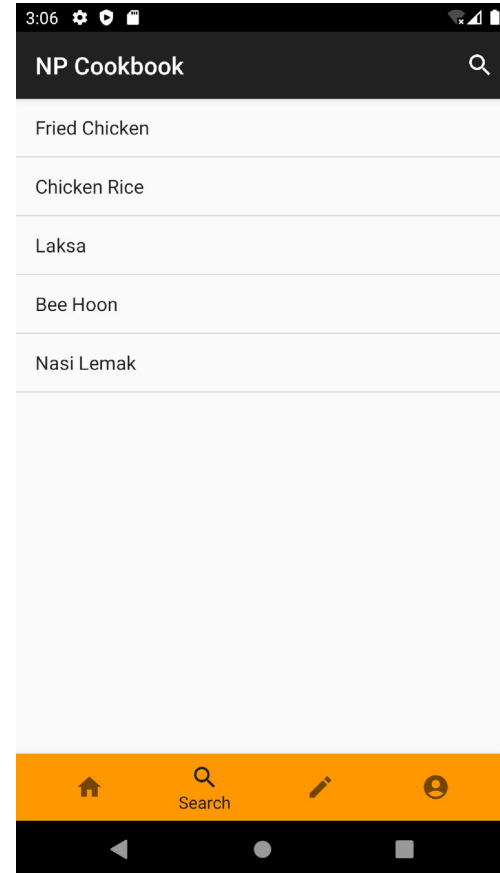
Before



- Accessed recipes based on a hard-coded lists
- New recipes would not be shown in the search page
- Search icon did not show

After

- SQLite database was added
- Able to access recipe database and update real-time
- Search icon is visible



Issues faced



- Original idea was to direct users to view the recipe when the recipe was selected, but was unable to do so



Create recipe page

Lim Wee Liang Kelven (S10221788K)

Before



- No database to store recipes

After

- SQLite database was added
- New recipes will be stored in the database

The screenshot displays the NP Cookbook app interface on a mobile device. At the top, the status bar shows the time 3:02 and various icons. The app's title bar is dark gray with the text "NP Cookbook". Below the title bar, the form consists of several sections, each with a label and a corresponding input field:

- Recipe Name**: A light gray rounded rectangular input field with the placeholder text "Enter Name".
- Duration (minutes)**: A light gray rounded rectangular input field with the placeholder text "Enter Duration".
- What are the ingredients?**: A light gray rounded rectangular input field with the placeholder text "Separate with commas".
- Description of recipe**: A light gray rounded rectangular input field with the placeholder text "Enter Description".
- What are the steps?**: A light gray rounded rectangular input field with the placeholder text "Separate with commas".

At the bottom of the screen, there is an orange navigation bar with four icons: a house icon labeled "Home", a magnifying glass icon, a pencil icon, and a person icon. Below the navigation bar is a black Android system bar with navigation icons.

Issues faced



- Original idea was to allow users to upload images for the recipe, but was unable to do so



Profile page

Koh Yu Xuan Darren (S1019494C)

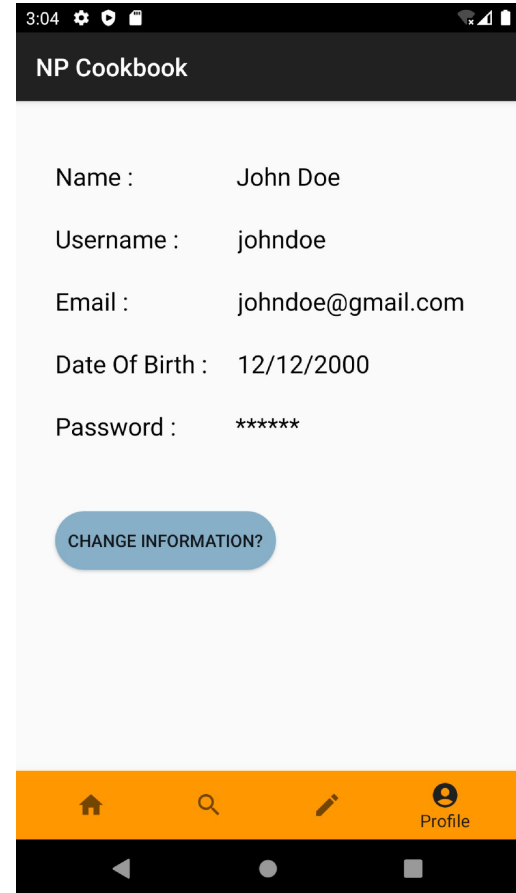
Before



- No database or shared preferences for users
- Unable to show user information

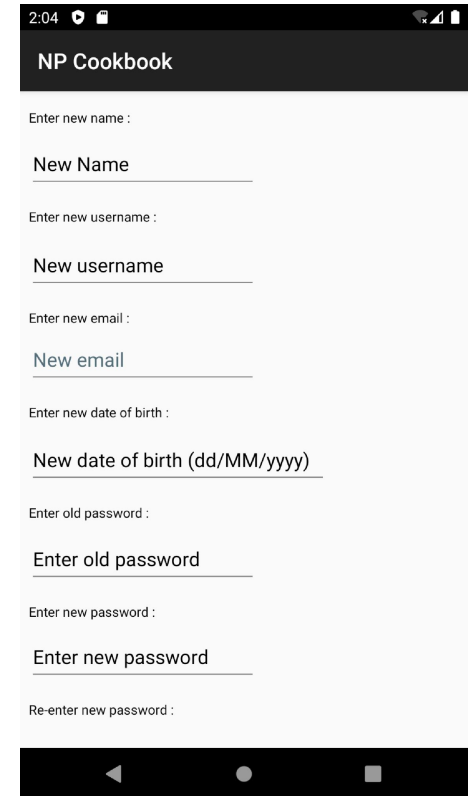
After

- SQLite database was added
- Able to show user information
- Shows password as *
- Added a new feature to change user information



Changing user information

- Allow users to change their name, username, email, DOB, and password
- Input validation
 - Checks for empty fields
 - Checks if old password matches new password
 - Checks if re-confirm password matches new password



The screenshot shows a mobile application interface titled "NP Cookbook". It features a series of input fields for updating user information. The fields are labeled as follows:

- Enter new name :
New Name
- Enter new username :
New username
- Enter new email :
New email
- Enter new date of birth :
New date of birth (dd/MM/yyyy)
- Enter old password :
Enter old password
- Enter new password :
Enter new password
- Re-enter new password :

The interface is displayed on a mobile device screen, with a status bar at the top showing the time 2:04 and various icons. The bottom of the screen shows the Android navigation bar.

Issues faced



- Upon logging in, profile page does not always show user information. Occurs when user goes to a different page before the profile page.
- Original idea was to allow users to upload images for their profile image and show the profile image, but was unable to do so



DEMONSTRATION!



QnA!