Core Capability Drivethrough Report

Team: 09

Project Name: Harexi eWellness Health Application

Meeting Date: 11/06/20

Meeting Participants:

Client: Jasmine Berry (CTO of Harexi Health)

Team Members:

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I. User Manual

A. Sign Up For New Account
   1. Enter invalid email address, ensuring format is valid.
   2. Enter in a password that is at least 6 characters.
   3. Enter password in again to confirm.

B. Login
   1. You may either use the user account details that you just created using sign up
      OR you can use details of any of the existing accounts to login.
      a. Email id: myla@gmail.com; Password: abcdef
      b. Email id: ruchatambe2598@gmail.com; Password: 123456

C. View/Edit Profile
   1. Tap on ‘Your Profile’ in the left menu.
   2. Upon tapping, you will find:
      a. An initial build profile flow for the first time when you are building your
         profile.
      b. Several screens which capture user input.
         i. Please input your information on each screen.
         ii. Tap the arrow to move to the next screen.
      c. View Profile Screen which has edit functionality for each section of user
         input.
D. View Home Feed
   1. This page includes the latest reviews posted by users on the application.
   2. Each card in the feed initially shows a profile picture (default for now), name of the user and the product. It also shows the average rating given by the user for the product. The comment posted by the user is restricted to a single line.
   3. Each card has a down arrow button which expands the card and shows the detailed review which includes rating for each factor (Stable Sugar Control, Taste, Value For Money, Recommend to a friend).
      a. On expansion, the up arrow allows you to view the initial card.

E. Browse Food Products
   1. There will be a loading screen until the browse feed is fetched.
   2. A random set of 10 product cards from the database will be shown to you (apart from the products you have already tried or rated).
   3. Each product card has a message asking if you have tried the product; the card contains the name of the product, product image and product manufacturer’s name (if available).
   4. There are two buttons on each product card. You can tap on the ‘green’ or ‘red’ buttons to respond whether you have tried the food product.
   5. Your responses are saved for each product card.
   6. End navigation to ‘Rate Tried Products’ screen or ‘Home’ screen based on your choice.

F. Rate Tried Products
   1. Display a list of products already tried by the user (you).
   2. Each product card contains the name of the product, image of the product and the product manufacturer if present.
   3. On click of any of the product cards, you will be redirected to submit a rating for the specific product.
   4. Submit Rating Screen
      a. The submit rating screen contains a card displaying the name of the product, image and product manufacturer. You can like or dislike the product.
      b. You can rate the product on a scale of 0-5 based on the four given criteria.
      c. You can also leave a comment (checked to be shorter than 280 chars) for the food product.
d. On click of submit button, a toast message to confirm the rating submission appears and you will be redirected to a refreshed “Rate Tried Products” screen.

G. Search Products
   1. The search screen contains a text input field. As the input in this field changes, the relevant search results are displayed.

   2. Each card in the list is clickable and leads to a screen that provides detailed information on the product card.

   3. Detailed product card:
      a. The detailed product card shows general information about the product like the product name, product image, product category and the product manufacturer if present.
      b. It also displays the number of likes and dislikes for the product.
      c. The second section is a nutritional information card which displays all the nutritional information we have of the product. There are two buttons on this screen for viewing the product website and a link to buy the product.
      d. You can also click on the bookmark icon and toggle between adding or removing this product from their bookmarks.
      e. Appropriate toast messages are displayed depending on your action.

II. Concern Logs
   1. C-1: Clicking the “Buy Product” link resulted in a lag because Amazon was slow to load
      a. Note: Currently, this is believed to be an issue with the Amazon app itself, and not our application; however it is still being recorded here

   2. C-2: “Reset password” link in the Forgot Password feature did not work until the app was quit and then reopened
      a. Note: May be an issue with the device and not the app, but is noted here just in case

   3. C-3: The reset password email from Firebase went straight to the spam folder
      a. Note: Is likely dependent upon which email address is used (the USC email address resulted in the email being sent to spam but the regular gmail resulted in the email being sent to the inbox)

   4. C-4: Potential issues with navigation, like back functionality in Build Profile feature.
III. Demonstration Records

A. Core Capabilities

1. Sign Up For New Account
   a. Checking if the email address is in a valid format.
   b. Checking if entries in password & confirm password fields match.
   c. Ensuring password length is at least 6 characters.
   d. Checking that Welcome Screen appears for users after sign up.

2. Login
   a. Checking if the user exists with the entered email address.
   b. Checking if the password is correct.
   c. Forgot password feature.
   d. Checking the logging out of application works.

3. View/Edit Profile
   a. Checking that the initial build profile flow (for when the user is building their profile) functions as expected.
   b. Checking edit functionality in View Profile Screen.

4. View Home Feed
   a. Checking that home feed includes latest reviews, with the most recent posted at top.
   b. Ensure formatting of each card in feed is correct (shows a profile picture, name of the user and the product, the average rating, and one line of a comment).
   c. Ensure that tapping the down arrow on the card expands it to show the detailed review, including rating for each metric (Stable Sugar Control, Taste, Value For Money, Recommend to a Friend).
   d. Ensure that on expansion, tapping the up arrow will collapse the card again.

5. Browse Food Products
   a. Ensure Loading screen displays until the browse feed is fetched.
   b. Check that features shows random 10 product cards from the database (excluding the products the user has already tried or rated).
   c. Ensure that the information on the card, including name of the product, product image and product manufacturer’s name, is present.
   d. Ensure user responses are saved for each product.
e. Check that features end navigate to ‘Rate Tried Products’ screen or ‘Home’ screen (based on user’s choice).

6. Rate Tried Products
   a. Ensure that the page displays the products already tried by the user.
   b. Each product card contains the name of the product, image of the product and the product manufacturer if present.
   c. Ensure that tapping any of the product cards, redirects the user to Submit a Rating page for that specific product.
   d. Ensure the Submit Rating Screen:
      i. Contains a card displaying the name of the product, image and product manufacturer.
      ii. Allows the user to like or dislike the product.
      iii. Allows the user to rate the product on a scale of 0-5 based on the four given criteria.
      iv. Allows the user to leave a comment (checked to be shorter than 280 chars) for the food product.
      v. On click of submit button, a toast message confirms the rating submission appears.
      vi. Redirects the user to a refreshed “Rate Tried Products” screen.

7. Search Products
   a. Check the search screen contains a text input field, and as input in the field changes, relevant search results are displayed.
   b. Ensure each card in the list is clickable, and leads to a screen that provides more detailed information on the product card.
   c. Ensure the Detailed product card:
      i. Shows general information about the product (the product name, product image, product category, and the product manufacturer (if available))
      ii. Displays the number of likes and dislikes for the product.
      iii. Displays in the second section, a nutritional information card which shows all the nutritional information we have of the product.
      iv. Contains two buttons on this screen (one for viewing the product website and one for a link to buy the product).
      v. Allows the user to click on the bookmark icon and toggle between adding or removing this product from their bookmarks.
vi. Shows appropriate toast messages, depending on the user’s action.

B. Suggestions and Feedback
   1. The client would like to add a button where a review can be added from the product page that is pulled up when the user searches for a product.
   2. The client would like to give the user the ability to change their name for their profile.
   3. The client commented how they liked the flow of the application.
   4. The client liked how the color scheme was kept the same/consistent.
   5. The client liked the Build Profile feature.
   6. The client loves the application so far, and found what was presented during the CCD to be on par with what was discussed.
   7. The client would like to add a section called “My Reviews” where user can see what they’ve reviewed.
   8. The client had specific feedback on changes to make in the Build Profile feature screens concerning specific values for the user inputs.
   9. The client suggested extra navigation between screens to improve user experience.

IV. Risks and Mitigation

The new risks are outlined below. Any other risks that have already been noted are available in the Risk Defect Report in Bi-Weekly Package #9.

1. Implementation and testing of social media login: Instagram and Twitter have not been implemented as login options yet, and Facebook capability cannot be tested when the app is in the development stage.
   a. Mitigation: Research and analysis on how to integrate social media logins into an application.

2. Resolving navigation issues within the application, in order to add additional navigation suggestions from the client.
   a. Mitigation: Try alternative methods for navigation, as well as do additional research into navigation in React Native.

3. Google sign-up was implemented and functioning, however Google upgraded their API and with the upgrade, the sign-up has stopped working.
   a. Mitigation: Research on how to implement sign-in using Google using the upgraded API.
4. Notifications have not been implemented yet, and poses the risk that it may not be deliverable within the remaining time in the schedule.
   a. Mitigation: Have one team member to look at the implementation of push notifications using Firebase. If it is accomplished, the notifications feature will be included in the second CCD described below, otherwise, the feature will not be included and will be counted as part of our final technical debt.

The current plan for any features not exercised (the remaining parts of the application left to finish outlined in the next section) or any changes requested by client, is to have an additional CCD with the client after the 24th of November (at the client’s convenience) in order to run through the application again.

V. Reprioritized Capabilities

1. As of now, there is no reprioritization of any capabilities. The following is left to implement in the application:
   a. Populate bookmarks page
   b. Add rating feature in detailed page
   c. Upload profile picture functionality
   d. Going from homepage to detail page
   e. Navigation from product on review card to detailed product page
   f. Social media login (Instagram and Twitter need to be implemented, and Facebook is not testable in the development stage)
   g. Add tags to products based on suggestions from client