Unit Test Documentation and Report

Product Name: SwoleMates

Team Members:

- Srividhya Thirumalairajan - (Product Owner)
- Kirby Choy
- Amanda Nguyen
- Gavin Chen
- Jared Penner

Team Name: Brogrammers

Date: 12/02/18

Srividhya

Module	Unit Test
Signin/signup button	1. Go to website: https://www.swolemates.com or localhost:8080 2. Click on "Continue with Google" (*User must have an account affiliated with Google*) 3. Select the home page button on top navbar. 4. The user will be able to see a newsfeed sorted by time.
User profile layout	1. Go to website: https://www.swolemates.com or localhost:8080 and login 2. Click on a user profile, located on the top right corner of the navigation bar. Underneath username, click on profile tab. 3. Check for profile image on the left-hand side of the page and images posted on the right side. 4. Every image you posted should be correctly posted and your profile image from your google account should show up.
Meal picture template	1. Go to website: https://www.swolemates.com or localhost:8080 and login

	2. Click on the nutrition information button, located on the navigation bar.
	3. Check for meal images posted on the right side.
	4. A correct posted image will have a image of the meal or food item and underneath will include the nutrition value information.
	5. In addition, the like button should toggle for the values 0 or 1.

User profile collection of progress pic photos	Ensure that all progress picture photos posted by a user show up in their personal collection on the profile page section:
	 1. Go to the website (swolemates.com or localhost:8080) and create a completely new user profile
	 2. Post a picture to the home/progress picture photo view
	 3. Click on username and profile photo area
	     a. User will be redirected onto the profile page
	     b. Verify that posted picture shows up in progress pictures section on profile
	     c. Ensure that only that picture shows in that section

Amanda

Module	Unit Test

Progress Picture UI	1. Go to website
	2. Click on "Continue with Google" (*User must have an account affiliated with Google*)
	3. Fill out corresponding fields if not logged into Google:
	    a. Email
	    b. Password
	    c. Two-Step Verification (Optional)
	4. Upload a photo on either "Home" page
	5. Click on the orange "Upload a Photo" button at the top of the page
	    a. Modal should open up with fields:
	        i. Upload a .jpg photo
	        ii. Description: "3 sets of jumping jacks"
	    b. Click "Post"
	6. Photo will appear below in the feed with the correct layout:
	    a. Username
	    b. User photo
	    c. Timestamp: "0 minutes ago"
	    d. Posted by <email>
	    e. Description
	    f. Liked/Unliked by signed in user
	    g. Comment field
	    h. List of comments

Post Progress Photo to feed	1. Go to website
	2. Click on "Continue with Google" (*User must have an account affiliated with Google*)
	3. Fill out corresponding fields if not logged into Google:
	    a. Email
	    b. Password
	    c. Two-Step Verification (Optional)
	4. Upload a photo on either "Home" page
	5. Click on the orange "Upload a Photo" button at the top of the page
	    a. Modal should open up with fields:
	        i. Upload a .jpg photo

	ii. Description: "3 sets of jumping jacks" b. Click "Post" 6. Photo will appear below in the feed

Post Meal Photo to feed	1. Go to the website (https://www.swolemates.com or localhost:8080) and "Continue with Google"
	2. On the top nav bar, click "Nutrition Info"
	3. Click on the orange "Upload a Photo"
	  a. A modal form will appear
	  b. File: Fried Chicken .jpg photo
	  c. Meal: "Fried chicken for lunch"
	  d. Click "Post"
	4. Post will appear below in the feed
	  a. The post will have a timestamp: 0 minutes ago

Like Button	1. Go to the website (https://www.swolemates.com or localhost:8080) and "Continue with Google" (*User must have an account affiliated with Google*) 2. Scroll down to a photo on "Home" path or "Nutrition" path 3. Click on black heart a. It will turn red and the number of likes will update beside it

Kirby

Module	Unit Test
Google authentication button	Scenario: 1. Go to the website and click "Continue with Google" 2. A little child window should pop up and then follow Google login instructions 3. User will be logged in, and the top right will say "Kirby Choy"
Deleting picture from progress picture and meal picture section	Scenario: 1. Upload a photo 2. Then after it appears in the feed, click the delete button 3. Photo post should be gone from feed 4. Verify in Firebase storage and Firestore database

Friend request	Scenario:
	1. Go to the website and login with Google
	2. Click on a username to view user profile: click Amanda Nguyen
	3. Send them a friend request using the friend request button.
	4. Click Upload a Photo button
	   a. Fill out form with a photo, description and check the Private box
	   b. The photo should appear on the feed and should only be viewable by the poster and the poster's friends

Correct retrieval of all metadata for a user from google signin	Make sure that the userid, profile picture, uuid, and name are all retrieved from signin:
	1. Go to website
	2. Click on "Continue with Google" (*User must have an account affiliated with Google*)
	3. Go to profile section in top toolbar
	4. Confirm that all necessary information is included
	    a. Correct name for profile
	    b. Correct Avatar logo
	    c. All pictures that show up in profile feed were uploaded by user

Jared

Module	Unit Test

Commenting on pictures	1. Go to the website (swolemates.com or localhost:8080) and login with Google
	2. Scroll down to a photo (or go to meals, and do so)
	3. Enter text on the 'Comment…' text field
	   a. Click Post Comment
	   b. The comment will appear below

Update nutrition information of picture	1. Upload a meal photo
	2. Scroll to the photo
	3. Click on orange "Update Post" button to add additional nutrition info or notes
	   a. A pop-up modal form will appear
	   b. New Nutrition Fact: "Fats"
	   c. Value: "35g"
	   d. Click "Post"
	4. The nutrition post should populate with the corresponding nutrition info: "Fats: 35g"

Avatar hyperlink to user profile	1. Go to home page and scroll to a photo 2. Click the user's username of profile image 3. Should be redirected to the user's profile page
Comment on meal picture	Ensure that comments made on a photo appear for other users and is not lost after posting: 1. Go to the website (swolemates.com or localhost:8080) and login

	2. Scroll down to a photo (or go to meals, and do so)
	 3. Enter text on the 'Comment…' text field
	     a. Click Post Comment
	     b. The comment will appear below
	     c. Ensure that can comment on other users photos
	     d. Refresh page and ensure that comments remain on photo

Gavin

Module	Unit Test

Google Vision Modal	Ensure that the modal is able to identify the correct labels and return the food:
	1. Go to the website and login with Google
	2. On the top nav bar, click "Nutrition Info"
	3. Upload a photo of spaghetti
	4. Click green button to Analyze photo
	5. Will be presented with loading bar while request is being processed, ensure it renders and disappears when information is ready
	6. A pop-up modal will appear with a list of foods that the computer has identified, ensure the following are correct
	    a. The correct food item: spaghetti
	    b. Clicking on the food item should execute nutritionX information retrieval

NutritionX information retrieval and update	Ensure that the call to the api returns nutrition information from the NutritionX api: 1. Go to the website and login with Google 2. On the top nav bar, click "Nutrition Info" 3. Upload a photo of spaghetti 4. Execute photo nutrition information grab modal 5. Go through google vision process to get label 6. Click on label to begin nutritionX call a. Should initially render loading bar when retrieving information

	b. After nutrition information is retrieved should output a json formatted text string of nutrition information c. Verify that nutrition information is correct

Commenting on pictures	Ensure that commenting on pictures for both progress pictures and meal pictures, works is same underlying code functionality:
	1. Go to the website (swolemates.com or localhost:8080) and login with Google
	2. Scroll down to a photo (or go to meals, and do so)
	3. Enter text on the 'Comment…' text field
	    a. Click Post Comment
	    b. Ensure the comment shows up
	4. Post a new picture
	    a. Click post comment for newly posted picture
	    b. Ensure the comment shows up

User profile collection of meal photos	Ensure that all meal photos posted by a user show up in their personal collection on the profile page section:
	1. Go to the website (swolemates.com or localhost:8080) and create a completely new user profile
	2. Post a picture to the meal photo view
	3. Click on username and profile photo area
	    a. User will be redirected onto the profile page
	    b. Verify that posted picture shows up in meal pictures section on profile
	    c. Ensure that only that picture shows in that section