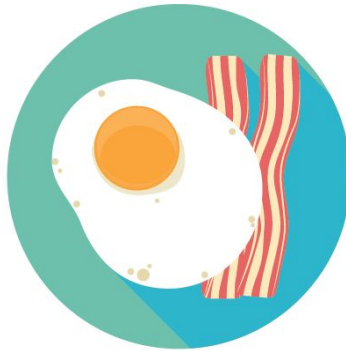# Test Use Cases

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Down to Munch

Team

People Order Our Programs
P.O.O.P.

Authors

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Title	**Test Case 1: "Create an Account" [A1]**
Description	User decides to create a new account. The user is asked to enter new valid credentials (unique email address, birthday, first name, last name, and a password). After successfully entering valid credentials, the user can go to the login page and log in.
Desired Outcome	The user creates a personal account with their specified email and password.
User Goals	The user can access the application.
Actors	1. User 2. System 3. Database
Dependent Use Cases	N/A
Requirements	SR01
Priority Level	1
Status	Complete
Pre-conditions	1. The user has downloaded the application. 2. User has opened the app and clicked "create new account". 3. User has internet connection.
Post-conditions	1. The user has a personal account. 2. The user has access to the application.
Trigger	User has clicked on "Create new account"! from login screen
Workflow	1. The User shall click the "create new account" button. 2. The User shall input "test@testme.com" as the email address, and "test" as the password. 3. The System shall verify with Firebase to validate that the user's email address is unique. 4. The firebase database shall save the User credentials into the database. 5. The System shall display an alert to tell the user if the account has been created or not.
Result	This test passes when the information input can be used to log in successfully.

Title	Test Case 2: "Log in" [A2]
Description	The user decides to log in. The user shall provide an email and a password for credentials. The system shall verify these credentials and load the user's account information, otherwise an error message will be given if the credentials are invalid.
Desired Outcome	The system shall load the user's account content or display an error message if the given credentials are invalid.
User Goals	The user wants access to their personal content within the application.
Actors	1. User 2. System 3. Database
Requirements	SR02
Priority Level	1
Status	Implemented and tested
Pre-conditions	1. The user has internet access. 2. The user has created an account with proper credentials. 3. The user has downloaded and opened the application. 4. The user is on the "Login" screen.
Failed Conclusions	Username and password credentials to not match a valid account in the database.
Trigger	The user click the "Login" button.
Workflow	1. The user shall enter "testname" in the username text field. 2. The user shall enter "testpassword" in the password text field. 3. The user shall click the "Login" button. 4. The system shall verify the credentials entered in the fields. 5. The system shall load the user's account content on the Home screen.
Result	This test passes if the system loads the user's account content onto the "Home" screen.
Alternate Path Workflow (Failed Conclusion)	1. The user shall enter "testname" in the username text field. 2. The user shall enter "testword" in the password text field. 3. The user shall click the "Login" button. 4. The system shall determine that the credentials are not a valid match. 5. The system shall display an error message.
Result	This test passes if the system displays an error message.

Title	Test Case 3: "Reset Password" [A3]
Description	If the user forgets their password, the system shall ask for their email. The system shall send the user an email with a link to reset their password. The user shall enter their new password using the link, which the system shall use to change their password in the database.
Desired Outcome	The user has a new password.
User Goals	The user shall have a new password they remember.
Actors	1. User 2. System 3. Database
Dependent Use Cases	A1
Requirements	SR03
Priority Level	2
Status	Incomplete
Pre-conditions	1. The account "test@testme.com" exists. 2. The user has internet connection.
Post-conditions	1. The user has a new password for their account.
Trigger	The user clicks "Forgot Your Password?" from the Login screen.
Workflow	1. The user shall input "test@testme.com" as their email. 2. The user shall click the "Search" button. 3. The system shall verify that the account exists in the database. 4. The system will alert the user the reset email has been sent. 5. The user shall access their email account. 6. The user shall click on the emailed link to reset their password. 7. The system shall redirect the user to the password reset page that asks for a new password. 8. The user shall enter a new password. 9. The system shall change the user's password in the database. 10. The user shall click "Go Back" on the Forgot Password page.
Result	This test passes when the user's password is changed in the database.
Alternate Path Workflow (Failed Conclusion)	1. The user shall input "resetpwtest@testme.com" as their email. 2. The user shall click the "search" button. 3. The system shall verify if the account exists in the database. 4. The system shall display an error message saying: "Account does not exist. Reset email not sent."
Result	This test passes when the error message is displayed.

Title	Test Case 4: "Create Events" [N3]
Description	User decides to create an event. User navigates to the events page and creates a new event.
Desired Outcome	The user's event will be seen on the events page.
User Goals	The user wants to create an event to eat food with friends.
Actors	1. User 2. System 3. Database
Requirements	SR11
Priority Level	2
Status	Implemented and Tested
Pre-conditions	1. The user is logged in.
Post-conditions	1. The user's event can be seen by friends.
Trigger	The user wants to create an event to eat with friends.
Workflow	1. The user shall navigate to the "Events" page. 2. The user shall click the "+" symbol. 3. The user shall fill out all of the required fields (event title, start date, start time, end date, end time, description). 4. The user shall click "Create Event!" 5. The user shall see that the event has been created in the events page. 6. The user shall click the event and verify that all details match the details input.
Result	This test passes when the user's event is viewable on the events page.

Title	**Test Case 5: "Upload photos of food" [P1]**
Description	This test case describes the process by which a user may upload photos of food.
Desired Outcome	The user's photo is saved to their 'recipe book'.
Actors	1. User
User Goals	The user can share this photo with followers on their feed or recipe book.
Dependent Use Cases	A2
Requirements	SR13
Priority Level	1
Status	Incomplete
Pre-conditions	1. The user is logged into their account.
Post-conditions	1. The user's photo is saved to the server in their "recipe book".
Trigger	The user wants to upload a picture of their food to record and show to their friends.
Workflow	1. The user shall click the camera icon on the bottom navigation bar. 2. The user shall take a picture or choose one from their camera roll. 3. The user shall edit their photo by applying filters. 4. The user shall enter a description and tags to their photo. 5. The user shall click "Create Post"
Result	This test passes when the post is created with the user's input.

Title	Test Case 6: "Take Photos With Camera From App"[P2]
Description	This test case describes the process by which a user may take pictures to upload them directly through their camera phone
Desired Outcome	The user's photo is saved to their 'recipe book' without having to exit the app to use the camera.
User Goals	The user can conveniently share this photo with their followers when they view the photo in their feed or when looking at the user's recipe book without having to take the picture.
Actors	1. User 2. System
Dependent Use Cases	A2
Requirements	SR14
Priority Level	1
Status	Implemented
Pre-conditions	1. The user is logged into their account. 2. The user's phone has a camera
Post-conditions	1. The user takes a photo that is saved to the server in their "recipe book".
Trigger	From any screen that contains the nav_bar, the user clicks the "camera" icon.
Workflow	1. The user shall select the 'Camera' icon on the nav-bar 2. The system shall bring up the 'camera' scene and open the 'camera app' menu 3. The user shall select 'Take Photo...' 4. The system shall open the camera on the device 5. The user shall take a photo 6. The system shall render the photo in the app with an option to add filters
Result:	This test passes when the photo can be seen within the app.

Title	Test Case 7: "Apply Filter to Photo" [P3]
Description	The user decides to apply filter to a photo. The user shall have taken a photo or chosen a photo from phone's gallery. The system shall verify that a valid photo has either been taken or chosen and load the options for filters.
Desired Outcome	The system shall apply a filter to an user's newly taken photo or photo chosen from the phone's gallery.
User Goals	The user wants to apply a filter to photo to make it more aesthetically appealing without using a 3rd party photo editing application and leaving the current app.
Actors	1. User 2. System
Requirements	SR15
Priority Level	2
Status	Implemented
Pre-conditions	1. The user has internet access. 2. The user has downloaded and opened the application. 3. The user has created an account with proper credentials. 4. The user is logged into their account. 5. The user has uploaded a photo or taken a picture with the in-app camera feature.
Failed Conclusions	None
Trigger	From the camera.js scene, the user clicks one of of the filter choices.
Workflow	1. The user shall click on a filter option shown such as "vignette". 2. The system refreshes the photo shown to the chosen filter choice and displays it to the user on the camera.js scene.
Result	This test passses if the system applies the filter chosen to the user's newly taken or chosen photo and displays the newly filtered photo on the camera.js scene.

Title	Test Case 8: "Tag photos" [P6]
Description	The user wants to tag their photos to give them categories. The user takes a picture and is given a form to fill in, one of which is a tag field where they can enter their tags.
Desired Outcome	The user's created post is categorized by viewable tags.
User Goals	The user can tag their photos so others can find them by category.
Actors	1. User 2. System 3. Database
Dependent Use Cases	P1, P2
Requirements	SR18
Priority Level	1
Status	Incomplete
Pre-conditions	1. The user has internet access. 2. The user has downloaded and opened the application. 3. The user has created an account with proper credentials 4. The user is logged into their account.
Failed Conclusions	None
Trigger	From the camera screen, the user shall click the "Details" button
Workflow	1. From anywhere with nav_bar access, the user shall click the camera icon. 2. The user shall click the "Camera" button in the upper left hand corner. 3. The user shall take a picture or select one from their library. 4. The system shall render the photo on the screen for the user to confirm their selection. 5. The user shall click "Details" in the upper right hand corner. 6. The user shall type in their tags in the "Tags" text field 7. The system shall tell the database to store the post with the details, including the tags. 8. The system shall display the post on the home page.
Result	This test passes if the system posts the image with the tag applied to it and can be viewed from the home page.

Title	**Test Case 9: "Remove uploaded pictures" [P8]**
Description	This test case describes the process by which a user can remove a picture the user uploaded.
Desired Outcome	The user does not wish others to see their previously published photo.
User Goals	The user's photo is removed from the application.
Actors	1. User
Dependent Use Cases	P1
Requirements	SR20
Priority Level	2
Status	Incomplete
Pre-conditions	1. The user has a photo that's already been published. 2. The user wants to remove said photo.
Post-conditions	1. The photo is removed and no longer accessible.
Trigger	The user wants to remove a picture the user previously uploaded.
Workflow	1. The user shall navigate to a post the user made. 2. The user shall click the "Options" button for the post. 3. The user shall select the "Delete" option. 4. The user shall selected "Yes" to confirm the deletion. 5. The user shall return to the user's profile page. 6. The user shall confirm that the post cannot be found.
Result	This test passes when the post containing the uploaded picture cannot be found in the app.

Title	**Test Case 10: "Add friend" [U1]**
Description	This test case describes the process by which the user adds another user as a friend.
Desired Outcome	The user becomes friends with another user.
User Goals	The user wants to share photos, communicate, or organize groups and events with someone they know.
Actors	1. User (Primary) 2. User (Secondary)
Dependent Use Cases	A2
Requirements	SR22
Priority Level	1
Status	Incomplete
Pre-conditions	1. The user's friend has an account. 2. The user is logged into their account.
Post-conditions	1. The user and friend are listed in each other's 'friend' list.
Trigger	The user sees that their friend is also using the app and would like to share and receive pictures/recipes from them.
Workflow	1. The user shall search for friend using search bar. 2. The user shall find desired friend. 3. The user shall click "Add Friend".
Result	This test passes when the user is able to view their friends' content and invite them to events.

Title	**Test Case 11: "Remove Friend" [U2]**
Description	This test case describes the process by which the user decides to remove a friend.
Desired Outcome	The user is no longer 'friends' with a friend.
User Goals	The user wishes to maintain privacy of photos from a friend.
Actors	1. User 2. System 3. Database
Dependent Use Cases	A2, U1
Requirements	SR23
Priority Level	1
Status	Incomplete
Pre-conditions	1. The user is logged into their account. 2. The user is 'friends' with the user they wish to remove.
Post-conditions	1. The user is no longer 'friends' with the user they wish to remove.
Trigger	The user clicks the remove button from a friend's page.
Workflow	1. The user shall go to a friend's page. 2. The user shall click the remove button. 3. The system shall display an alert to ask the user to confirm. 4. The user shall click "confirm" 5. The system shall delete the friend from the user's friend list in database. 6. The system shall display an alert to tell the user the friend has been removed.
Result	This test passes when the removed friend no longer exists in the user's friends list.

Title	**Test Case 12: "View friends' food" [U5]**
Description	The user shall navigate to the "More" page. The user shall click on the "Following" button which then directs to the "Following" page. The system shall load food posts made by the user's friends.
Desired Outcome	The system shall load the "Following" page with all their friends' food posts.
User Goals	The user wants to view their friend's food.
Actors	1. User 2. System
Requirements	SR26
Priority Level	1
Status	Implemented and tested
Pre-conditions	1. The user is logged into their account. 2. The user has navigated to the "Following" page. 3. The user has friends.
Post-conditions	1. The user sees their friends' food posts on the "Following" page.
Trigger	The user clicks the "Following" button.
Workflow	1. The user shall navigate to the "More" page. 2. The user shall click on the "Following" button. 3. The system shall load the user's friends' food posts.
Result	This test passes if the system loads the user's friends' posts onto the "Following" page.

Title	**Test Case 13: "Save Favorite Posts" [U7]**
Description	The user shall click on a post and favorite it. The system shall save that photo to the user's favorite posts list in the database.
Desired Outcome	The user can save posts that they like into a maintained personal list.
User Goals	The user would like to save certain posts into a personal list that they can view anytime.
Actors	1. User 2. System 3. Database
Dependent Use Cases	A2, P1
Requirements	SR29
Priority Level	2
Status	Incomplete
Pre-conditions	1. The user is logged in. 2. The user has internet access.
Post-conditions	1. The post is saved to the user's favorite posts.
Trigger	From any page displaying posts, the user clicks the "Favorite" button on any specific post.
Workflow	1. The user shall look at any page displaying posts. 2. The user shall click "Favorite" on any post. 3. The system shall add that post to the user's favorite posts in the database.
Result	This test passes when the user can look at the favorited post on their favorite posts list.

Title	Test Case 14: "Rate a Post" [D1]
Description	The user wants to like a post. The user goes to the post they want to like and likes it. The rating of the post goes up.
Desired Outcome	The user likes a post and the rating of the post increases by one.
User Goals	The user wants to give feedback to his or her friends' photo.
Actors	1. User 2. System 3. Database
Requirements	SR30
Priority Level	1
Status	Implemented and Tested.
Pre-conditions	1. The user shall be logged into their account.
Post-conditions	1. The user's rating will appear
Trigger	From any post, the user clicks the "Like" button.
Workflow	1. User is at "Home" page. 2. User clicks "Like" on any post.
Result	This test passes when the rating of the post goes up and pressing it again causes the user to unlike.

Title	Test Case 15: "Comment on a Post" [D2]
Description	The user wants to comment on a post. The user goes to the post they want to comment on and comments on it. The comment shows up under the post.
Desired Outcome	The user comments on a post and the comment shows up under the post.
User Goals	The user wants to give feedback to his or her friends' photo.
Actors	1. User 2. System 3. Database
Requirements	SR30
Priority Level	1
Status	Implemented and Tested.
Pre-conditions	1. The user shall be logged into their account.
Post-conditions	1. The user's comment will appear under the post.
Trigger	From any post, the user clicks the "Comment" button.
Workflow	1. User is at "Home" page. 2. User clicks "Comment" on any post. 3. The user enters the comment. 4. The user clicks the "Submit" button.
Result	This test passes when the comment appears under the post.

Title	**Test Case 16: "View More Details" [D3]**
Description	This test case describes the process by which the user can access comments, ratings or other details on one of their friend's photos.
Desired Outcome	The friend's comments and ratings are displayed, as well as a description with tags and an option for a larger photo. There is also an option to view the recipe.
User Goals	The user wants to view more details about their friend's photo, give comments or feedback, or learn from a recipe.
Actors	1. User (Primary) 2. User (Secondary)
Dependent Use Cases	A2, P9, D1, D3, D4, D6, D7
Requirements	SR31
Priority Level	1
Status	Incomplete
Pre-conditions	1. The primary user is logged in. 2. The secondary user has a post with a photo. 3. The secondary user has a post with a recipe video and description. 4. There are comments and ratings on the friend's photos.
Post-conditions	1. The primary user sees the photo with description. 2. The primary user sees how the food was made.
Trigger	The primary user wants to view the ratings and comments of a post.
Workflow	1. The primary user is at the "Home" page. 2. The primary user clicks the message bubble icon of a post.
Result	This test passes when the ratings and comments list shows up on the screen.

Title	Test Case 17: "Add Tags to Photo" [D4]
Description	The user decides to add tags to their photo post. The user shall type into a text field the tags that they desire their photo to be associated with.
Desired Outcome	The user's photo is now associated with tags they chose to tag the photo with.
User Goals	The user wishes to categorize their photo and make it easier to search for in the database.
Actors	1. User 2. System 3. Database
Requirements	SR32
Priority Level	1
Status	Incomplete
Pre-conditions	1. The user has internet access. 2. The user has downloaded and opened the application. 3. The user has created an account with proper credentials. 4. The user is logged into their account. 5. The user has uploaded a photo they want to add tags to.
Trigger	The user selects the "Add Tags" option while creating a post
Workflow	1. The user shall click the "details" button after uploading a photo.. 2. The user shall select the "add tags" field. 3. The user shall type in desired tags (eg: "desserts") 4. The user shall fill in remaining fields to create post. 5. The user shall select the "post" button. 6. The system shall verify that all the required fields for creating a post are completed. 7. The system shall add the post with the associated tags to the database.
Result	This test passes if the database contains the post with the chosen tags.

Title	Test Case 18: "Add Description to Photo" [D5]
Description	This test case describes the process by which a user may add a description of their photo
Desired Outcome	The user's photo has a description added to it
User Goals	The user wishes to include a description of food
Actors	1. User 2. System 3. Database
Dependent Use Cases	A2
Requirements	SR33
Priority Level	1
Status	Incomplete
Pre-conditions	1. The user is logged into their account. 2. The user has clicked on the camera icon on the nav_bar
Post-conditions	User's photo has a description that can be viewed alongside the photo.
Trigger	User clicks
Workflow	1. The user shall click the "Camera" button on camera.js. 2. The user shall take a photo or upload an existing one. 3. The user shall click "Details". 4. The user shall enter in their description in the designated text box. 5. The user shall click "Post". 6. The system shall tell the database to take the post. 7. The system shall display the post with the description on the home screen.
Result	The test passes if the system posts the post with the description attached and sends it to the database. The system must also display the post on the home screen.

Title	**Test Case 19: "Add a Recipe" [D6]**
Description	This test case describes the process of how the user uses the application as a recipe book and links a recipe with a food tag and photo.
Desired Outcome	The user has a recipe uploaded to his recipe book that links to a food tag and their photo.
User Goals	The user wishes to share a recipe of a food to others.
Actors	1. User
Dependent Use Cases	A2, P1, P6
Requirements	SR34
Priority Level	2
Status	Incomplete
Pre-conditions	1. The user has logged into their account. 2. The user has uploaded a photo to link a recipe with. 3. The user has added tags to the photo.
Post-conditions	1. The user's photo has a recipe linked to it and the tags associated with the photo link to the recipe as well.
Trigger	1. The user wants to view others' recipes.
Workflow	1. The user shall click on a photo. 2. The user shall click "View Recipe". 3. The user shall view the recipe.
Result	This test passes when the recipe is viewable on the post.

Title	**Test Case 20: "View recipe" [D7]**
Description	This test case describes the process by which a user can view a recipe for a post.
Desired Outcome	The user can view other users' recipes.
User Goals	The user has instructions to make food without having to ask for the recipe.
Actor	1. User (Primary) 2. User (Secondary)
Dependent Use Cases	U2, D4
Requirements	SR35
Priority Level	2
Status	Incomplete
Pre-conditions	1. The user has an account. 2. The user is logged in. 3. secondary users have uploaded recipes.
Post-conditions	1. Recipe page/pane displayed.
Trigger	The user wants to view the recipes for a food in the picture of a post.
Workflow	1. The user shall navigate to the post the user wants to view the recipe for. 2. The user shall click the post to view more details. 3. The user shall click the "View recipe" button. 4. The user shall confirm that the recipe is displayed.
Result	This test passes when the recipe for the post is displayed on the screen.

Title	**Test Case 21: "Search by tag" [B1]**
Description	This test case describes the process by which the user can search for photos by tag.
Desired Outcome	The user can filter photos to match a certain type of food.
User Goals	The user is able to explore foods that match certain type of taste palate or dietary restriction.
Actor	1. User
Dependent Use Cases	P6
Requirements	SR37
Priority Level	1
Status	Incomplete
Pre-conditions	1. The photos have tags associated with them.
Post-conditions	1. Photos matching the given tags are displayed.
Trigger	The user wants to explore a certain type of food.
Workflow	1. The user shall access the search function icon on the application. 2. The user shall type in the tags they wants to filter.
Result	This test passes when the user is able to successfully enter filter tags and the home menu image grid displays only those items.

Title	Test Case 22: "Search by Rating" [B2]
Description	This test case describes a search function that allows users to search for food based on the food's ratings.
Desired Outcome	The user can filter food posts from a certain area by order of rating.
User Goals	The user would like to organize food posts by their ratings.
Actor	1. User 2. System 3. Database
Dependent Use Cases	A2, D1
Requirements	SR38
Priority Level	1
Status	Incomplete
Pre-conditions	1. The user is logged in. 2. The user is redirected to the homepage.
Post-conditions	1. Photos with specified rating the user typed in search box are displayed.
Trigger	The user clicks "advanced search" and clicks "search by rating"
Workflow	1. The user logs in and go to the home page. 2. The user enters clicks "advanced search" and choose "search by rating". 3. The user enters rating to search. 4. search() sends submitted data (searchByRating flag and user's specified rating [1-5]) to the controller. 5. Controller looks for posts with specified rating from firebase. 6. Firebase retrieves requested Posts. 7. searchByRating() returns the list of posts in order of highest rating 8. home.js displays the returned posts to the user.
Result	This test passes when the posts in the view are sorted in order of higher to lower ranking.

Title	Test Case 23: "Advanced Browsing" [B7]
Description	The system shall display the browsing options described in B1, B2, and B6. The user shall select any combination of more than one of these options. The system shall display all posts relevant to the search criteria.
Desired Outcome	Combined search options to enhance the precision search function.
User Goals	The user can search with precision for posts they want to view.
Actors	1. User 2. System 3. Database
Dependent Use Cases	A2, P1, B1, B2, B3, B4, B5, B6
Requirements	SR43
Priority Level	2
Status	Implemented and Tested.
Pre-conditions	1. The user is logged in.
Post-conditions	1. The user can combine search features and see posts that match those parameters.
Trigger	The user clicks the "Advanced Search" option on the Home page.
Workflow	1. The system shall display search options to select. 2. The user shall select the options they want to search by. 3. The system shall find all posts relevant to the search in the database. 4. The system shall display all posts relevant to the search criteria.
Result	This test passes when the user can view the specific posts they want related to the search criteria.

Title	**Test Case 24: "Refresh News Feed" [B9]**
Description	The user shall be able to fetch the new posts that have been made while they are browsing their news feed.
Desired Outcome	The user shall see new posts made when refreshing.
User Goals	The user shall view new uploads.
Actors	1. User (Primary) 2. System 3. Database
Requirements	SR45
Priority Level	2
Status	Incomplete
Pre-conditions	1. The user has logged in.
Post-conditions	1. The system displays the latest news feed results.
Trigger	1. The user swipes down from the "Home" page.
Workflow	1. The user is on the "Home" page. 2. The user pulls down the view.
Result	This test passes when the feed is populated with the latest posts.