

Test Cases

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Fapp

Food Application

Team

POOP (People Order Our Programs)

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Title	Test Case #1 “Create A New Account” [A1]
Description	The user decides to create a new account. The user is asked to enter valid credentials (unique email address, first name, last name, and a password). Upon success, the user can 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	<ol style="list-style-type: none"> 1. User 2. System 3. Database
Requirements	SR01
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The user has downloaded and installed the application. 2. The user has a valid email.
Post-conditions	<ol style="list-style-type: none"> 1. The user has a personal account. 2. The user has access to the application.
Trigger	User has clicked on “Create A New Account” from login screen
Workflow	<ol style="list-style-type: none"> 1. The user shall click the “Create A New Account” button. 2. The user shall input a unique email address and their desired password. 3. The user shall fill in the “First Name” field and “Last Name” field. 4. The system shall verify that all fields have been filled out. 5. The system shall verify with Firebase to validate that the user’s email address is unique. 6. The Firebase database shall save the user credentials into the database. 7. 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	<ol style="list-style-type: none"> 1. User 2. System 3. Database
Requirements	SR02
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The user has created an account.
Failed Conclusions	Username and password credentials do not match a registered account in the database.
Trigger	The user clicked the “LOG IN” button.
Workflow	<ol style="list-style-type: none"> 1. The user shall enter their registered account information into the email and password fields. 2. The user shall click the “LOG IN” button. 3. The system shall verify the credentials entered in the fields. 4. The system shall load the user’s account content on the “Fapp” (home) screen.
Alternate Path Workflow (Failed Conclusion)	<ol style="list-style-type: none"> 1. The user shall enter their registered account information into the email and password fields. 2. The user shall click the “LOG IN” button. 3. The system shall determine that the credentials are not a valid match. 4. The system shall display an error message.
Result	This test passes if the system loads the user’s account content onto the “Fapp” (home) screen.

Title	Test Case #3 “Temporary 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 temporary password they can use to log in. The system will temporarily change the password of the user.
Desired Outcome	The user has a temporary password emailed to them that they can use.
User Goals	The user shall have a new password they remember.
Actors	<ol style="list-style-type: none"> 1. User 2. System 3. Database
Requirements	SR03
Priority Level	2
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The user account exists in the database. 2. The user has access to the email account they signed up with.
Post-conditions	<ol style="list-style-type: none"> 1. The user has a temporary 24 hour password for their account.
Trigger	The user clicks “Forgot Your Password?” from the Login screen.
Workflow	<ol style="list-style-type: none"> 1. The user shall open the application. 2. The user shall click the “Forgot Your Password?” button. 3. The user shall enter their email address. 4. The user shall click the “SEARCH” button. 5. There is an account linked with the entered email address: 6. The user is sent an email with a temporary password valid for 24 hours. 7. The user is able to log in with the new password.
Alternate Path Workflow (Failed Conclusion)	<ol style="list-style-type: none"> 1. The user shall open the application. 2. The user shall click the “Forgot Your Password?” button. 3. The user shall enter their email address. 4. The user shall click the “SEARCH” button. 5. There is no account linked with the entered email address. 6. The user is notified and prompted to enter a valid, registered email address.
Result	This test passes when the user’s temporary 24 hour password is sent to their email.

Title	Test Case #4 “Change Password” [A4]
Description	If the user wants to change their password, they can enter their new password in the settings page with old password as verification. The system shall change the password on the database for them to the new password.
Desired Outcome	The user has a new account password.
User Goals	The user has a new account password.
Actors	<ol style="list-style-type: none"> 1. User 2. System 3. Database
Requirements	SR04
Priority Level	2
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The user account exists in the database. 2. The user is logged in.
Post-conditions	<ol style="list-style-type: none"> 1. The user has changed their password.
Trigger	The user clicks “Change Password” from the settings screen.
Workflow	<ol style="list-style-type: none"> 1. The user shall click the “More” button from anywhere with navigation bar access. 2. The user shall click “Change Password” 3. The user shall enter their old password and new password. 4. The system shall change the user’s password on the database.
Alternate Path Workflow (Failed Conclusion)	<ol style="list-style-type: none"> 1. The user shall open the application. 2. The user shall log in. 3. The user shall click the “More” button from anywhere with navigation bar access. 4. The user shall click “Settings” 5. The user shall click “Change your password” 6. The user shall enter their old password and new password. 7. The user shall enter an incorrect old password.
Result	This test passes when the user can log in with their new password.

Title	Test Case #5 “Change Email” [A5]
Description	This use case describes the process by which the user can change their Email.
Desired Outcome	The user’s email is changed.
User Goals	The user wants to change their email.
Requirements	SR07
Priority Level	3
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The user has an account. 2. The user is logged in.
Post-conditions	<ol style="list-style-type: none"> 1. The user’s email is changed.
Trigger	The user wants to use a different email address.
Workflow	<ol style="list-style-type: none"> 1. The user shall open the application. 2. The user shall log in with their personal account. <ol style="list-style-type: none"> a. The user is logged in and redirected to “Fapp” (home) screen. 3. The user shall click on the “More” tab on the navigation bar. <ol style="list-style-type: none"> a. The user is redirected to the “More” page. 4. The user shall click on the “Settings” button. 5. The user shall click on the “Change your email address” button. 6. The user shall enter the new email address. 7. The user shall click “Submit”.
Result	This test passes when the user can log in with their new email.

Title	Test Case #6 "Change Profile Picture" [A7]
Description	This use case describes the process by which the user can change their profile picture.
Desired Outcome	The user can change their profile picture.
User Goals	The user wants to change their profile picture.
Requirements	SR07
Priority Level	3
Status	Implemented and Tested
Pre-conditions	<ul style="list-style-type: none">3. The user has an account.4. The user is logged in.
Post-conditions	<ul style="list-style-type: none">2. The user's profile picture is changed.
Trigger	The user wants a different profile picture
Workflow	<ul style="list-style-type: none">2. The user shall open the application.8. The user shall log in with their personal account.<ul style="list-style-type: none">a. The user is logged in and redirected to "Fapp" (home) screen.9. The user shall click on the "More" tab on the navigation bar.<ul style="list-style-type: none">a. The user is redirected to the "More" page.10. The user shall click on the "Settings" button.11. The user shall click on the "Change your profile picture" button.12. The user shall take a photo or choose one from library.13. The user shall click "Submit".
Result	This test passes when the user's account has a new profile picture.

Title	Test Case #7 “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	<ol style="list-style-type: none">1. User2. System3. Database
Requirements	SR10
Priority Level	2
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none">1. The user is logged in.
Post-conditions	<ol style="list-style-type: none">1. The user’s event can be seen by friends.
Trigger	The user wants to create an event to eat with friends.
Workflow	<ol style="list-style-type: none">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.
Result	This test passes when the user’s event is viewable on the events page.

Title	Test Case #8 “Create A Post” [P1]
Description	This test case describes the process by which a user may upload photos of food.
Desired Outcome	The user’s photo is posted and viewable on the “Home” screen.
Actors	1. User
User Goals	The user can share this photo with followers on their feed.
Requirements	SR12
Priority Level	1
Status	Partially Implemented (Location and Recipe are not fully implemented) and Tested
Pre-conditions	1. The user is logged into their account.
Post-conditions	1. The user’s photo is saved as a post and viewable by others.
Trigger	The user wants to upload a picture of their food to record and show to their friends.
Workflow	<ol style="list-style-type: none">1. The user shall click the “Camera” button on the navigation bar.2. The user shall click the “+” button.3. The user shall choose to take a picture or choose one from their photo library.4. The user shall enter a description 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 #9 “Apply Filter to Photo” [P2]
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	<ol style="list-style-type: none"> 1. User 2. System
Requirements	SR13
Priority Level	2
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 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” screen, the user clicks one of of the filter choices.
Workflow	<ol style="list-style-type: none"> 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” screen.
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” screen.

Title	Test Case #10 “Tag Photos” [P5]
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	<ol style="list-style-type: none"> 1. User 2. System 3. Database
Requirements	SR16
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. From anywhere with navigation 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 the tag can be searched from the home screen.

Title	Test Case #11 “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	<ol style="list-style-type: none"> 1. User (Primary) 2. User (Secondary) 3. System 4. Database
Requirements	SR19
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The primary user is logged into their account. 2. The secondary user makes a post. 3. The primary user is on the secondary user’s post.
Post-conditions	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. The primary user shall click on the secondary user’s name on the post. 2. The system shall display the secondary user’s profile page. 3. The primary user shall click “Add Friend”. 4. The system shall send a friend request notification to the secondary user. 5. The secondary user shall click on the notification. 6. The system shall display the primary user’s profile page. 7. The secondary user shall click “Accept Request”. 8. The database shall store the primary and secondary user in each other’s friends and followers list.
Result	This test passes when the secondary user is in the primary user’s friends list.

Title	Test Case #12 “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	<ol style="list-style-type: none">1. User2. System3. Database
Requirements	SR20
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none">1. The user is logged into their account.2. The user is ‘friends’ with the user they wish to remove.3. The user is on the friend’s profile page.
Post-conditions	<ol style="list-style-type: none">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	<ol style="list-style-type: none">1. The user shall click the “Friends” button.2. The system shall delete the friend from the user’s friend list in database.3. The system shall have the friend unfollow the user and the user unfollow the friend.
Result	This test passes when the removed friend no longer exists in the user’s friends list and each user is no longer following the other.

Title	Test Case #13 “View Friends’ Food” [U4]
Description	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	<ol style="list-style-type: none">1. User2. System
Requirements	SR22
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none">1. The user is logged into their account.2. The user has followed other users.3. The user is on the “Fapp” (home) page.
Post-conditions	<ol style="list-style-type: none">1. The user sees their friends’ food posts on the “Following” page.
Trigger	The user wants to see food posts of users they follow.
Workflow	<ol style="list-style-type: none">1. The user shall click on the “Following” button.2. The system shall load the user’s friends’ food posts.
Result	This test passes when the system loads the user’s friends’ posts onto the “Following” page.

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	<ol style="list-style-type: none">1. User2. System3. Database
Requirements	SR25
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none">1. The user shall be logged into their account.2. The user shall be on the “Fapp” (home) screen.
Post-conditions	<ol style="list-style-type: none">1. The user’s rating will appear
Trigger	The user wants to like a post.
Workflow	<ol style="list-style-type: none">1. The user shall click the photo of the top left post.2. The system shall display the rating number of the post.3. The user shall click on the star to like the post.4. The database shall increase the rating number on the star by 1, and it shall be displayed on the page.
Result	This test passes when the rating of the post is incremented by 1.

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	<ol style="list-style-type: none"> 1. User 2. System 3. Database
Requirements	SR26
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The user shall be logged into their account. 2. The user shall be on the “Fapp” (home) screen.
Post-conditions	<ol style="list-style-type: none"> 1. The user’s comment will appear under the post.
Trigger	The user wants to comment on a post.
Workflow	<ol style="list-style-type: none"> 1. The user shall click the message bubble icon on the top left post. 2. The system shall display the comments of the post. 3. The user shall click on the “Add a comment” field. 4. The user shall type “Wow, this food looks good!” 5. The new comment shall be added to the database. 6. The system shall update the comments.
Result	This test passes when the comment “Wow, this food looks good!” 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	<ol style="list-style-type: none"> 1. User (Primary) 2. User (Secondary) 3. System
Requirements	SR27
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The primary user has logged in. 2. The secondary user has a post with a photo. 3. The secondary user has a post with a description. 4. There are comments and ratings on the friend's photos.
Post-conditions	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. The primary user is at the “Fapp” (home) page. 2. The primary user clicks the message bubble icon of a post. 3. The system loads a new page with the ratings and comments of the post.
Result	This test passes when the ratings and comments list shows up on the screen.

Title	Test Case #17 “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	<ol style="list-style-type: none"> 1. User 2. System 3. Database
Requirements	SR30
Priority Level	1
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none"> 1. The photos have tags associated with them. 2. The user is on the “Fapp” (home) screen.
Post-conditions	<ol style="list-style-type: none"> 1. Photos matching the given tags are displayed.
Trigger	The user wants to explore a certain type of food.
Workflow	<ol style="list-style-type: none"> 1. The user shall access the search function icon on the application on the top of the “Fapp” screen. 2. The user shall type in the tag “cool”. 3. The system shall reload the “Fapp” screen with posts with the tag “cool” from the database.
Result	This test passes when the “Fapp” screen displays the posts with the “cool” tag.

Title	Test Case #18 “Refresh Home Screen” [B7]
Description	The user shall be able to fetch the new posts that have been made while they are browsing their home screen.
Desired Outcome	The user shall see new posts made when refreshing.
User Goals	The user shall view new uploads.
Actors	<ol style="list-style-type: none">1. User (Primary)2. System3. Database
Requirements	SR36
Priority Level	2
Status	Implemented and Tested
Pre-conditions	<ol style="list-style-type: none">1. The user has logged in.
Post-conditions	<ol style="list-style-type: none">1. The system displays the latest posts.
Trigger	The user wants to see new posts on their home screen
Workflow	<ol style="list-style-type: none">1. The user is on the “Fapp” (home) page.2. The user pulls down the view.3. The system reloads the “Fapp” page with new posts from the database.
Result	This test passes when the feed is populated with the latest posts.