ExpOCR! : Manual Test Plan

** all tests assume data from CreateData.sql is pre-existing in the database

Sign Up

Successful

1. Start application
2. On starting sign in page select New Here? Sign Up button.
3. Enter the Name Joe Schmo
4. Enter the email ccc724@gmail.com
5. Enter the password Vegetable123@
6. Re-enter the password.
7. Close the keyboard.
8. Select the Sign Up button.
9. Check your email, and click on the activation link.
10. Verify that new user data is present in the database.

Bad Password

1. Start application.
2. On starting sign in page select New Here? Sign Up button.
3. Enter the Name Joe Schmo
4. Enter the email ccc724@gmail.com
5. Enter the password Vegetable123
6. Re-enter the password
7. Close the keyboard.
8. Select the sign up button.
9. Verify that the error "Password should have a special letter is displayed.

Login/Logout

Success

1. Start application.
2. Enter email mihikadave@gmail.com
3. Enter the password Potato123@
4. Close keyboard and select log in.
5. Verify that you are taken to the main page.

Unsuccessful-No email

1. Start application.

2. Enter email test@gmail.com
3. Enter the password Potato123@
4. Close keyboard and select log in.
5. Verify that the error "Email does not exists" is displayed.

Unsuccessful-Wrong Password

1. Start application.
2. Enter email mihikadave@gmail.com
3. Enter the password Potato
4. Close keyboard and select log in.
5. Verify that the error "Password incorrect" is displayed.

Logout

1. Follow the above steps to login.
2. On the main page select the 3 lines button in the upper left corner.
3. Select the log out button.
4. Verify that the sign in page is displayed and you are logged out.

Facebook Login/Logout

Login

1. On the sign in page select Continue with Facebook button.
2. Sign on with your facebook account.
3. Give ExpOCR permissions.
4. Verify that the main page is displayed and you are logged in.

Logout

1. Follow the above steps to login.
2. On the main page select the 3 lines button in the upper left corner.
3. Select the log out button.
4. Verify that the sign in page is displayed and you are logged out.

Forgot Password

1. On the sign in page select forgot password.
2. Enter your email.
3. Go to your email and enter the verification code that you received into the application.
4. Enter new password Potato123@
5. Re-enter password.
6. Select change password.
7. Verify in the database that your password is changed.

Avatar

1. Sign in
2. Open navigation menu
3. Click on the user image
4. Select "from gallery"
5. Select the avatar

Change Password

1. Sign in
2. Open navigation menu
3. Select "Change Password"
4. Enter the new password
5. Re-enter the new password
6. Login again with the new password

Friends

Add Transaction

1. Sign in as Mihika
2. Click on Floating button (+)
3. Type the email and select the friend "Brianna" (abc@gmail.com) to share the transaction
4. Fill the required details
5. Open Friends tab and check the net balance for Brianna is updated
6. Click on Brianna and check that the new transaction is visible in the history
7. Open Expenses Tab and check the new entry in the list
8. Sign in as Brianna and similarly check steps 5-7 for friend Mihika

OCR

Add Friend Transaction With OCR Test

1. Click on Scan menu Item in Left Drawer
2. Take photo of a receipt and click on Recognize Receipt button
3. Click on each item in returned receipt item list, modify price for each item
4. Click Floating Button
5. Type in friend email in Add Friend Transaction Page, then click on Scan A Bill button
6. Click on friend name in the list
7. Verify receipt item price list, and select several items

8. Click on go back arrow, verify the balance of the selected friend, or modify balance in Edittext
9. Click on Floating Button. Verify the amount in Add Friend Transaction Page
10. Fill in other views in Add Friend Transaction Page, Click on Add button
11. Verify in friends page and individual friend page about this transaction
12. Verify in expenses page about the transaction

Introduction: Receipt is scanned and sent to server. After user make sure about returned receipt items, the parsed receipt items are transferred to add transaction for friends. For each friend, specific items in the receipt can be chosen to get paid.

Objectives: Test receipt recognition. Test friend transaction split with receipt items.

Constraints: Receipt to be recognized cannot be vague. Receipt scan should be done before going to add friend transaction page.

Item Pass/Fail Criteria:

Fail: user fail to receive recognized receipt items from server. Or user cannot split bills between friends with receipt items. Or the selected items bill does not auto fill the amount view in add friend transaction page.

Pass: Meet all the criterias in Fail case.

Test Environment: Paper-format plain text receipt from real grocery. ExpOCR on Android 6.0 phone. Server deployed on Microsoft Azure Server.

Assumptions: The receipt recognition is regarded as successful as long as the returned receipt items shows on a new page. If there is little prices recognized in the receipt, users can specify item prices by themselves.

Settle Up

SettleUpTest

1. Login as Brianna
2. Click on FRIENDS Tab
3. Select friend named Mihika
4. Select SETTLE UP
5. In the first drop down, select Mihika (mihikadave@gmail.com)
6. In the second drop down, select Brianna (abc@gmail.com)
7. In the amount field, type 25.00
8. Click RECORD PAYMENT
9. Verify that the following record exists in the database:
   a. (4, 3, 1, Payment, Cash, 25.00, currentTime) where currentTime is the time you pressed RECORD PAYMENT
10. Verify that the net balance now reads 0.00
11. Verify that a transaction with the label Payment: Cash is now in the list

Delete Friend

1. Click Friends tab
2. Click on friend named Anthony
3. Click DELETE FRIEND button
4. Confirm Delete
5. Verify that you are directed to home page
6. Verify that friend has been removed

Delete Transaction

SuccessfulFriendTransactionDeletionTest

1. Login as Brianna
2. Click on FRIENDS Tab
3. Select friend named Mihika
4. Hold down on the first transaction with name Food: PizzaHut
5. Click Delete
6. Verify that the following record is no longer in the database:
   a. (3, 1, 3, Food, PizzaHut, 25, 2017-03-15 06:02:10)
7. Verify that the transaction with the name Food: PizzaHut is no longer in the list
8. Verify that the net balance is now 0.00

Groups

Create Group

1. Login as Mihika
2. Click on Menu Bar
3. Select Create new group
4. Add Group Name "Apartment Fellas"
5. Click on "Select Members"
6. Add Brianna, Anthony to the text view
7. Click "Add and create group button"
8. Click on "Groups" tab
9. Check that "Apartment Fellas" is a new group
10. Click on "Apartment Fellas" and check there are no transactions yet and net balance is zero

Add Transaction

SuccessfulAdditionTest

1. Login as Brianna
2. Click on GROUPS Tab
3. Select group named All The Buddies
4. Click ADD TRANSACTION
5. Select the following names and emails from the first dropdown menu:
    a. Mihika (mihikadave@gmail.com)
    b. Anthony (kesongh2@illinois.edu)
6. Enter "10.00" in the amount field
7. Enter "Panda Express" in the memo field
8. Select "Food" from the category dropdown
9. Click ADD
10. Verify that the following records exist in the database:
    a. (11, 1, 1, Food, Panda Express, -5.00, currentTime)
    b. (12, 1, 2, Food, Panda Express, -5.00, currentTime)
    c. (13, 1, 3, Food, Panda Express, 10.00, currentTime)
    d. Where currentTime is the time at which you pressed ADD
11. Verify that a transaction with a name Food: Panda Express is now in the list
12. Verify that the net balance is now 0.00

    InvalidAmountTest

1. Login as Brianna
2. Click on GROUPS Tab
3. Select group named All The Buddies
4. Click ADD TRANSACTION
5. Select the following names and emails from the first dropdown menu:
    a. Mihika (mihikadave@gmail.com)
    b. Anthony (kesongh2@illinois.edu)
6. Enter "Panda Express" in the memo field
7. Select "Food" from the category dropdown
8. Click ADD
9. Verify that the amount field is red and shows notification saying "This currency amount is invalid"

Settle Up

1. Click on Groups Tab
2. Select group named _____
3. Click on balance button
4. Verify that users _____ appear with balances _____ and a settle up button under each
5. Click settle up button for user _____
6. If user owes you, message "remind your friend appears"
7. On user who owes money click on balance with another group member
8. Click settle up button
9. Confirm transaction with other group member
10. Verify that transaction is added to database and you no longer owe other member

Delete Group

1. Click GROUPS tab
2. Select group named _____
3. Click SETTINGS
4. Click DELETE GROUP
5. Verify that the app returns to main page
6. Verify that group _____ no longer exists in GROUP tab

Delete Transaction

SuccessfulGroupTransactionDeletionTest

1. Login as Brianna
2. Click on GROUPS Tab
3. Select group named All The Buddies
4. Hold down on the first transaction with name Food: Dinner with the gang
5. Click Delete
6. Verify that the following records are no longer in the database:
   a. (1,1,1,Food,Dinner with the gang, 40, 2017-05-01 11:32:09)
   b. (2,1,2,Food,Dinner with the gang, -10, 2017-05-01 11:32:09)
   c. (3,1,3,Food,Dinner with the gang, -10, 2017-05-01 11:32:09)
   d. (4,1,4,Food,Dinner with the gang, -10, 2017-05-01 11:32:09)
   e. (5,1,5,Food,Dinner with the gang, -10, 2017-05-01 11:32:09)
7. Verify that the transaction with the name Food: Dinner with the gang is no longer in the list
8. Verify that the net balance is now 0.00

Summary

1. Sign in to the app
2. Open the side menu
3. Click on Summary