Test Plan

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A. Identification and Classification

Test Case 0001: New user signs up

> Severity: High

B. Instructions

> 1. Email is entered
> 2. Password is entered
> 3. Name is entered

C. Expected Result

> 1. New user is created

A. Identification and Classification

Test Case 0002: New user signs up with invalid email address

> Severity: High

B. Instructions

> 1. Random string is entered
> 2. Password is entered
> 3. Name is entered

C. Expected Result

> 1. Error message is displayed

A. Identification and Classification

Test Case 0101: Login

> Severity: High

B. Instructions

> 1. Enter email of an existing account
> 2. Enter password of the account
> 3. Click login

C. Expected Result

> 1. Access the program

A. Identification and Classification

Test Case 0102: Incorrect login

    Severity: High

B. Instructions

    1. Enter email of a nonexistent account

    2. Enter any password

    3. Click login

C. Expected Result

    1. Prompt displays message about account not existing

A. Identification and Classification

Test Case 0103: Incorrect password

    Severity: High

B. Instructions

    1. Enter email of existing account

    2. Enter incorrect password

    3. Click login

C. Expected Result

    1. Prompt displays message about incorrect password

A. Identification and Classification

Test Case 0201: Item search

    Severity: High

B. Instructions

    1. Enter keyword(s) for search

C. Expected Result

    1. All items relating to the keyword(s) are displayed

A. Identification and Classification

Test Case 0202: Item search - empty string

    Severity: Medium

B. Instructions

    1. Enter nothing into the search field

C. Expected Result

    1. Nothing happens

A. Identification and Classification

Test Case 0301: Item post - sell

      Severity: High

B. Instructions

      1. Click sell

      2. Upload pictures of item

      3. Enter a description for the item

      4. Enter the price of the item

      5. Enter the location for the item

      6. Click post

C. Expected Result

      1. A post is created and searchable

A. Identification and Classification

Test Case 0302: Item post - sell (missing picture)

      Severity: Medium

B. Instructions

      1. Click sell

      2. Do not upload picture

      3. Enter a description for the item

      4. Enter the price of the item

      5. Enter the location for the item

      6. Click post

C. Expected Result

      1. Error message is displayed asking the user to upload a picture

A. Identification and Classification

Test Case 0303: Item post - sell (missing description)

      Severity: Medium

B. Instructions

      1. Click sell

      2. Upload pictures of the item

      3. Do not enter a description for the item

      4. Enter the price of the item

      5. Enter the location for the item

      6. Click post

C. Expected Result

      1. Error message is displayed asking the user to enter a description

A. Identification and Classification

Test Case 0304: Item post - sell (missing price)

      Severity: High

B. Instructions

      1. Click sell

      2. Upload pictures of the item

      3. Enter a description for the item

      4. Do not enter a price for the item

      5. Enter the location for the item

      6. Click post

C. Expected Result

      1. Error message is displayed asking the user enter a price

A. Identification and Classification

Test Case 0305: Item post - sell (missing location)

      Severity: High

B. Instructions

      1. Click sell

      2. Upload pictures of the item

      3. Enter a description for the item

      4. Enter the price of the item

      5. Do not enter a location for the item

      6. Click post

C. Expected Result

      1. Error message is displayed asking the user to enter a location

A. Identification and Classification

Test Case 0401: Item post - rent

      Severity: High

B. Instructions

      1. Click rent

      2. Upload picture of item

      3. Enter description for the item

      4. Enter the rental duration for the item

      5. Enter the price of the item

      6. Enter location of item

      7. Click post

C. Expected Result

      1. A post is created and searchable

A. Identification and Classification

Test Case 0402: Item post - rent (missing picture)

      Severity: Medium

B. Instructions

      1. Click rent

      2. Do not upload a picture of the item

      3. Enter description for the item

      4. Enter the rental duration for the item

      5. Enter the price of the item

      6. Enter location of item

      7. Click post

C. Expected Result

      1. An error message is displayed asking the user to upload a picture

A. Identification and Classification

Test Case 0403: Item post - rent (missing description)

      Severity: Medium

B. Instructions

      1. Click rent

      2. Upload picture of item

      3. Do not enter a description for the item

      4. Enter the rental duration for the item

      5. Enter the price of the item

      6. Enter location of item

      7. Click post

C. Expected Result

      1. An error message is displayed asking the user to enter a description

A. Identification and Classification

Test Case 0404: Item post - rent (missing rental duration)

     Severity: High

B. Instructions

     1. Click rent

     2. Upload picture of item

     3. Enter description for the item

     4. Do not enter a rental duration for the item

     5. Enter the price of the item

     6. Enter location of item

     7. Click post

C. Expected Result

     1. An error message is displayed asking the user to enter a rental duration

A. Identification and Classification

Test Case 0405: Item post - rent (missing price)

     Severity: High

B. Instructions

     1. Click rent

     2. Upload picture of item

     3. Enter description for the item

     4. Enter the rental duration for the item

     5. Do not enter a price for the item

     6. Enter location of item

     7. Click post

C. Expected Result

     1. An error message is displayed asking the user to enter a price

A. Identification and Classification

Test Case 0406: Item post - rent (missing location)

       Severity: High

B. Instructions

       1. Click rent

       2. Upload picture of item

       3. Enter description for the item

       4. Enter the rental duration for the item

       5. Enter the price of the item

       6. Do not enter a location for item

       7. Click post

C. Expected Result

       1. An error message is displayed asking the user to enter a location

A. Identification and Classification

Test Case 0501: Edit Post

       Severity: Medium

B. Instructions

       1. Go to "My Posts" section

       2. Open the desired post

       3. Click edit

       4. Make desired changes to the post

       5. Click save

C. Expected Result

       1. UI refreshes, and the post is updated accurately with the new information

A. Identification and Classification

Test Case 0601: Delete Post (Yes)

       Severity: Medium

B. Instructions

       1. Go to "My Posts" section

       2. Open the desired post

       3. Click delete

       4. Click yes

C. Expected Result

       1. UI refreshes, and the post is no longer listed and is no longer searchable

A. Identification and Classification

Test Case 0602: Delete Post (No)

      Severity: Medium

B. Instructions

      1. Go to "My Posts" section

      2. Open the desired post

      3. Click delete

      4. Click no

C. Expected Result

      1. UI refreshes, and the post remains listed

A. Identification and Classification

Test Case 0701: Item purchase

      Severity: High

B. Instructions

      1. Open desired post

      2. Click buy

      3. Agree to terms and conditions

      4. Click Pay using venmo

C. Expected Result

      1. A payment is made using venmo

      2. The post status is changed to sold

A. Identification and Classification

Test Case 0702: Item purchase (Disagree to terms and conditions)

      Severity: Medium

B. Instructions

      1. Open desired post

      2. Click buy

      3. Disagree to terms and conditions

C. Expected Result

      1. User returns to previous menu

      2. The post status remains the same

A. Identification and Classification

Test Case 0801: Item Rent

      Severity: High

B. Instructions

      1. Open the desired post

      2. Click Rent

      3. Select rental duration

      4. Agree to terms and conditions

      5. Click pay using venmo

C. Expected Result

      1. A payment is made using venmo

      2. The post status is changed to rented

A. Identification and Classification

Test Case 0802: Item Rent (Disagree to terms)

      Severity: Medium

B. Instructions

      1. Open the desired post

      2. Click Rent

      3. Select rental duration

      4. Disagree to terms and conditions

C. Expected Result

      1. User returns to previous menu

      2. The post status remains the same

A. Identification and Classification

Test Case 0901: Rent push notification

      Severity: Low

B. Instructions

      1. Wait until rent duration is over by a certain amount

C. Expected Result

      1. Email/push notification is sent to the renting user

A. Identification and Classification

Test Case 1001: Seller or Lender notification

      Severity: Low

B. Instructions

      1. Other user purchases or rents an item

C. Expected Result

      1. Item is set as sold or rented

      2. Seller or lender gets a notification of the change

A. Identification and Classification

Test Case 1101: Report User

      Severity: Low

B. Instructions

      1. Submit a claim

C. Expected Result

      1. Other account receives email

      2. Prompt is shown to user

A. Identification and Classification

Test Case 1201: Waitlist

      Severity: Low

B. Instructions

      1. Open post

      2. Click on add to waitlist

C. Expected Result

      1. User is placed on the waitlist for the requested item

A. Identification and Classification

Test Case 1202: Waitlist (no current renters)

      Severity: Low

B. Instructions

      1. Open post

      2. Click on add to waitlist

C. Expected Result

      1. Error message notifying user that no waitlist currently exists for the item

A. Identification and Classification

Test Case 1301: Access FAQ

      Severity: Low

B. Instructions

      1. Open the "FAQ" tab

C. Expected Result

      1. The application launches the FAQ page

A. Identification and Classification

Test Case 1401: Request for Buy Updates

      Severity: Medium

B. Instructions

      1. Open the post

      2. Click Buy

      3. Click "Request for Contacting Seller"

C. Expected Result

      1. Owner receives a notification/email stating the request for updates

A. Identification and Classification

Test Case 1402: Request for Rent Updates

      Severity: Medium

B. Instructions

      1. Open the post

      2. Click Rent

      3. Click "Request for Contacting Seller"

C. Expected Result

      1. Owner receives a notification/email stating the request for updates

A. Identification and Classification

Test Case 1501: Request Contacting Seller for Buying

      Severity: Medium

B. Instructions

      1. Open the post

      2. Click Buy

      3. Click "Request Contacting Seller"

C. Expected Result

      1. Owner receives a notification/email with the contact request

A. Identification and Classification

Test Case 1502: Request Contacting Seller for Renting

      Severity: Medium

B. Instructions

      1. Open the post

      2. Click Rent

      3. Click "Request Contacting Seller"

C. Expected Result

      1. Owner receives a notification/email with the contact request

A. Identification and Classification

Test Case 1601: Logout

      Severity: Medium

B. Instructions

      1. Click Log Out of <Your Name> at the top right of the page

C. Expected Result

      1. The current user is logged out

      2. The application returns to the initial sign in page

A. Identification and Classification

Test Case 1701: Performance

      Severity: Low

B. Instructions

      1. Open 100 instances of Lendr

C. Expected Result

      1. Performance in each of the instances should not suffer

A. Identification and Classification

Test Case 1702: Performance - large database

      Severity: Low

B. Instructions

      1. Create 100 user accounts

C. Expected Result

      1. Performance should not degrade

A. Identification and Classification

Test Case 1801: Responsive

      Severity: Low

B. Instructions

      1. Open Lendr on a desktop computer

      2. Open Lendr on a smartphone

      3. Open Lendr on a tablet

C. Expected Result

      1. Lendr should adapt its UI to the size of the device it is being loaded on