

**Purdue Electronic Checkout (PEC) Test Plan**

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**Use Case 1:** Sign up account.

Test Case 1:

A: Account 01, Sign Up, Severity 1

B: Click Signup Button, Enter Information, Submit

C: Submit button would redirect to some “user logged in state” or successfully submit and redirect to a login view.

Equivalence Classes: Validate that username is an email address. Garbage inputs would include numbers and symbols or plain text with no @domain.tld attachment.

**Use Case 2:** Log in account.

Test Case 2:

A: Account 02, Log In, Severity 1

B: Run Account 01, take user details and attempt to login.

C: Upon clicking login user is taken to a either a home page or a user dashboard page.

Equivalence Classes: Validate that username is an email address.

**Use Case 3:** Modify account information.

Test Case 3:

A: Account 03, Account Changes, Severity 3

B: With logged in user, hit “modify profile information”, edit user data, submit

C: Verify that the changes match upon a page change and reload of the profile information page.

**Use Case 4:** Stay at log in stage.

Test Case 4:

A: Account 04, Persistent Sessions, Severity 3

B: Close logged in window.

C: Navigate to root of application and verify user is still logged in.

**Use Case 5:** Log out account.

Test Case 5:

- A: Account 05, Logout, Severity 1
- B: Click logout button from currently logged-in account.
- C: Close window, reaccess page, ensure that you are not logged in.

**Use Case 6:** Find the information of selling items.

Test Case 6:

- A: Marketplace 01, View item information, Severity 1
- B: Navigate to marketplace, click on a random item.
- C: Ensure that item details display.

**Use Case 7:** As a user, I want to be able to post used items.

Test: 7

- A. Account 06, Inventory, Severity 1
- B. Click the post button, Item selling page comes up, Enter in item info
- C. Submit button redirects to my items page or equivalent.

Equivalence Classes: Validate price and contact fields are numbers.

**Use Case 8:** As a user, I want to be able to change posted item information.

Test: 8

- A. Account 07, Inventory, Severity 1
- B. Click "Modify info" button of the item, modify fields
- C. Submit button would redirect to some "user logged in state" or successfully submit and redirect to a login view.

**Use Case 9:** As a user, I want to be able to view posted items.

**Test: 9**

- A. Account 08, Inventory, Severity 1
- B. Click “My sale posts” button
- C. Submit button would redirect to “My sale posts”

**Use Case 10:** As a user, I want to be able to delete posted items.

**Test: 10**

- A. Account 09, Inventory, Severity 1
- B. Click “delete” button on item
- C. Submit button would refresh items page.

**Use Case 11:** As a user, I want to be able to sort posted items by price.

**Test: 11**

- A. Account 10, Inventory, Severity 3
- B. Click “Sort items” button, “My sale posts” page appears, Drop down menu appears, Select “By price from low to high”
- C. Submit button would refresh items page with sorted items.

**Test: 12**

- A. Account 11, Inventory, Severity 3
- B. Click “Sort items” button, “My sale posts” page appears, Drop down menu appears, Select “By price from high to low”
- C. Submit button would refresh items page with sorted items.

**Use Case 12:** As a user, I want to check my posted items stock.

**Test: 13**

- A. Account 01, Inventory, Severity 3
- B. Right click posted items, Drop down menu appears, Select “Check the stock”
- C. Submit button refreshes item page to stock info

**Use Case 13:** As a user, I want to be able to chat with a buyer

**Test 14:**

- A. Chat 001, Chat with buyer, Severity 3
- B. Right click buyer's name, Select Message buyer, enter message
- C. Messages buyer

**Test 15:**

- A. Chat 002, Chat with buyer, Severity 3
- B. Right click buyer's name, Select Message buyer, enter empty message
- C. Error message appears

**Use Case 14:** As a user, I want to be able to chat with a seller

**Test 16:**

- A. Chat 003, Chat with seller, Severity 3
- B. Right click seller's name, Select Message seller, enter message
- C. Messages seller

**Test 17:**

- A. Chat 004, Chat with buyer, Severity 3
- B. Right click seller name, Select Message seller, enter empty message
- C. Error Message

**Use Case 15:** As a user, I want to be able to sort items by price range

**Test 18:**

- A. Sort 001, Sort items by price, Severity 3
- B. Click sort items, select by price, enter range 0 to 100, click submit
- C. A list of items sorted by price appears

**Test 19:**

- A. Sort 002, Sort item by price, Severity 3
- B. Click sort items, select by price, enter range -1 to 101, click submit
- C. Error message should appear

**Use Case 16:** As a user, I want to be able to sort items by categories

**Test 20:**

- A. Sort 003, Sort items by categories, Severity 3
- B. Click sort items, select by categories, select a category, click submit
- C. A list of items sorted by categories appears

**Use Case 17:** As a user, I want to be able to save items to wish-list

**Test 21:**

- A. Wishlist 001, Saves item to wish-list, Severity 3
- B. Click the item name, click save to wishlist, click confirm, click submit
- C. The item is listed in the wish-list

**Use Case 18:** As a user, I want to sort items by condition

**Test 22:**

- A. Wishlist 004, Sort item by conditions, Severity 3
- B. Click sort items, select by conditions, select a category, click submit
- C. A list of items sorted by conditions appears

**Use Case 19:** As a user, I want to check order list.

**Test 23:**

- A. Profile 001, profile feature, Severity 2
- B. Click the "My profile" button, Click the "My order" button
- C. See the "My order" page

**Use Case 20:** As a user, I want to see rating and comments of buyers.

**Test 24:**

- A. Profile 002, profile feature, Severity 2
- B. Click user avatar
- C. See buyer information

**User Case 21:** As a user, I want to rate buyers after transaction.

**Test 25:**

- A. Rating 001, rating feature, Severity 2
- B. Click rate button on buyer's profile page, Rate the buyer, Click submit button
- C. See confirmation of submission

**User Case 22:** See rating and comments of sellers.

**Test 26:**

- A. Rating 002, rating feature, Severity 2
- B. Click seller avatar

- C. See seller information

**User Case 23:** Rate sellers after transaction.

Test 27:

- A. Rating 003, rating feature, Severity 2
- B. Click on rate button on seller's profile page, Enter rating, Click submit button
- C. See submission confirmation

Equivalent class: rating between 1-5, rating outside

**User Case 24:** Get notification when item is available for sell.

Test 28:

- A. Notification 001, notification, Severity 1
- B. Click follow button on an item
- C. Get notification if the item is available

**Use Case 25:** As a developer, I would like to receive user feedback

**Test: 29**

- A. Feedback 001, Feedback, Severity 2.
- B. Click feedback button in navigation bar
- C. Feedback page appears

**Use Case 26:** As a user, I would like to be able to upload my own avatar

**Test: 30**

- A. User 001, Avatar, Severity 2.
- B. Click upload avatar in profile to upload avatar
- C. Verify avatar is uploaded

Equivalence classes: JPG, PNG

**Use Case 27:** As a user, I would like to change my password

**Test: 31**

- A. User 001, Password, Severity 2.
- B. Click reset password button in profile and fill in required fields to change password
- C. Verify password is changed to log in

**Use Case 28:** As a user, I would like to block user from sending spam

**Test: 32**

- A. User 001, Block, Severity 2.
- B. Click block user in market view

- C. Verify that user is blocked by refreshing page

**Use Case 29:** As a user, I would like to report bad seller or buyers

**Test:** 33

- A. User 001, Report, Severity 2.
- B. Click report button in chatting view
- C. Verify report popup

**Use Case 30:** As a user, I would like to give suggestions for future modification

**Test:** 34

- A. User 001, Suggestion, Severity 2.
- B. Click feedback button in navigation bar and fill the give suggestion content and click submit button
- C. Verify suggestion was given

**Use Case 31:** As a developer, I want to sign-up using email and password through the backend

**Test:** 35

- A. Backend 001, Sign-up, Severity 1
- B. Send an POST API call, enter email and username as JSON body, click submit.
- C. Verify sign-up has succeed

**Test:** 36

- A. Backend 002, Sign-up, Severity 1
- B. Send an POST API call, enter not an email and username as JSON body, click submit.
- C. Verify sign-up returned error message

**Use Case 32:** As a developer, I want to login-in using email and password through the backend

**Test:** 37

- A. Backend 003, Login, Severity 1
- B. Send email and password via API POST Call (Valid details)
- C. Verify success return.

**Test:** 38

- A. Backend 004, Login, Severity 1

- B. Send email and password that do not correspond to an account
- C. Verify unsuccessful return

**Test 39:**

- A. Backend 005, Login, Severity 1
- B. Send nothing for each field individually.
- C. Verify unsuccessful return.

**Test 40:**

- A. Backend 006, Login, Severity 1
- B. Send a string that is not an email as well as a password string.
- C. Verify unsuccessful return.

**Use Case 33:** As a developer, I want to post an item to the market through the backend

**Test: 41**

- A. Backend 007, Market Posting, Severity 1
- B. Send in valid title, content, and price via POST.
- C. Check for return of success.

**Test: 42**

- A. Backend 008, Market Posting, Severity 1
- B. Send in valid title, valid content, invalid price input(chars).
- C. Check for return failure.

**Test 43:**

- A. Backend 009, market posting, Severity 1
- B. Send in blank title, blank content, blank price (individually with valid input for the other two)
- C. Check for return failure

**Use Case 34:** As a developer, I want to update an item that is currently on the market through the backend

**Test: 44**

- A. Backend 010, Update Item, Severity 2
- B. Send UPDATE API Call, Enter a title, content, and price
- C. Check for return success

**Test: 45**



- A. Backend 011, Update Item. Severity 2
- B. Send UPDATE API Call, Enter an invalid integer price
- C. Check for return error message

**Use Case 35:** As a developer, I want to delete an item that is currently on the market through the backend

**Test: 46**

- A. Backend 012, Delete Item, Severity 1
- B. Send DELETE API call, with the item ID
- C. Check for return success

**Test: 47**

- A. Backend 013, Delete Item, Severity 2
- B. Send Delete API Call with invalid item ID
- C. Check for return error message

**Use Case 36:** As a developer, I want to get all market item through the backend

**Test:48**

- A. Backend 014, Get Market Item, Severity 1
- B. Send GET API call
- C. Check for return list of market items