

We shell seashells

This site sells seashells, because we live in California and are lucky to have them readily available, and the shells I have collected calms me, so I thought that would be a good thing to share with others.

This site is selling seashells. (Let's say they are sustainably collected following all local laws.)

An administrator can add and remove items, remove users, and view all users.

Please mark each use case as 'pass' Or 'fail'. The use case passes if it does what it intended to do. It fails if it does not. See the example below for more information.

Table of contents

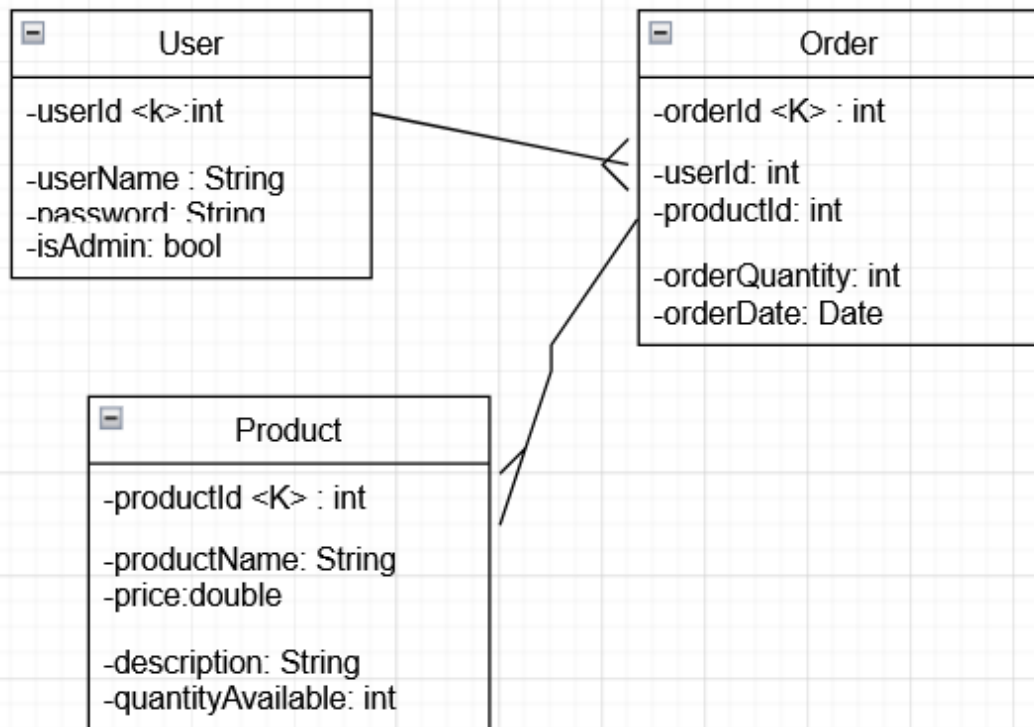
Database Diagram	3
[insert your own ERD here]	3
Use Case 01: Predefined Users	4
pass/fail	4
Use Case 02: Persistence	5
pass/fail	5
Use Case 03: Add a user	6
pass/fail	6
Use Case 04: Delete a user	7
pass/fail	7
Use Case 05: add an item	8
pass/fail	8
Use Case 06: modify an item	9
pass/fail	9
Use Case 07: Delete an item	10
pass/fail	10
Use Case 08: Purchase an item	11
pass/fail	11
Use Case 09 : Check order History	12

pass/fail	12
Use Case 10 : Cancel Order	13
pass/fail	13
Use Case 11 : Delete Order (Admin)	14
pass/fail	14
Use Case 12 : Review Orders (Admin)	15
pass/fail	15
Use Case 13: Review Inventory (Admin)	15
pass/fail	16
Use Case 14: Review users	16
pass/fail	17
Use Case 15 : View user info (user)	17
pass/fail	18
Use Case 16 : View items available inventory (user)	18
pass/fail	19

Database Diagram

My ERD

(apologies, order to product relationship must have gotten drunk)



Use Case 01: Predefined Users

PASS

1. Force quit the application¹
2. Login as testuser1
3. Display the username 'testuser1'
4. Logout
5. Login as admin2
6. Display the username 'admin2'
7. Display Menu + ADMIN button that gives Admins access to Admin options of: View Existing Items, Add an Item, Remove an Item, View Existing Users, View Existing Orders

This use case passes if all of these conditions are met. It fails otherwise.

Video Timestamp

00:16 - testUser

00:55 - admin2

¹ How to force quit an application in Android:
<https://www.digitaltrends.com/mobile/how-to-force-close-apps-android/>

Use Case 02: Persistence

Partial pass...

Add works

Edit crashes a little bit

1. Add an item to the database
2. Force quit the application²
3. Show the item added in step 1 is still in the database
4. Change an item in the database
5. Force quit the application
6. Show the item modifications from step 4 have been saved

Timestamp 2:16 for user

Timestamp 7:00 for item (after a crash)

² How to force quit an application in Android:

<https://www.digitaltrends.com/mobile/how-to-force-close-apps-android/>

Use Case 03: Add a user

PASS! (display decided to be goofy when I ran it)

1. Choose Register new user
2. Choose username and password
 - {Bad username}
 1. Display toast message username already exists, please choose a unique username
 2. Go back to Choose username and password screen
 3. Continue until a unique username is provided
3. Display toast message user successfully registered
4. Display main menu screen
- 5.

00:45 timestamp in video

Use Case 04: Delete a user

Fail-ish

User gets deleted from database, but cant figure out how to update the Arraylist to I have a null ptr error

1. Force Quit the Application
2. Login as Admin
3. View List of Admins
4. Click Delete
5. Enter User we want to remove
6. Click Delete
7. Display toast message, "User has been deleted"
8. Do not allow for delete of admin2
9. Check for user does not exist

Timestamp 6:48

Use Case 05: add an item

PASS!

1. Force quit application
2. Login as admin
3. Choose Admin menu item to display Admin options
4. Choose Add an Item
5. Go to add Items Screen
Try to add blank Items
Error displays fields cannot be blank
6. Enter item name, description, quantity, Price,
{Item already exists}
 1. Display message "An item with that name already exists. Would you like to add to the current inventory, or rename the item?"
{Rename Item}
 1. Return to step 5 and provide a unique item name

Timestamp 3:07

Use Case 06: modify an item

PASS

1. Force Quit the Application
2. Login as Admin
3. Choose Admin menu item to display Admin options
4. Choose Existing Items option
5. Choose Modify an Existing Item
6. Modify desired Fields & Submit
7. Display toast message confirming changes

Timestamp 4:00

Use Case 07: Delete an item

Fail/ Not implemented - Since user delete failed I tried to figure that out before implementing this, never figure it out

1. Force quit the application
2. Login as admin
3. Choose Admin item to display Admin options
4. Choose remove an item
5. Choose Item to remove from Dropdown & Choose Remove on Remove Item Screen
6. Confirm remove item
7. Display toast message that item is removed

Use Case 08: purchase an item

Pass-ish

My whole design was ridiculously big until Friday when I realized I could create a “form and do multiple actions from it for user, product, and order. Not designing a web of crazy screens would have saved me time.

Logging in as admin shows the options avlbl, I was going to connect same activity to purchase button, but hide the admin buttons for isAdmin false users

New order shows up in database but screens are not implemented

1. Login as admin
2. View Inventory
3. Enter Item Name in Order field
4. Click Order
5. Toast message 1 of the time was ordered
6. Leave Item name Blank
Toast cannot be empty
7. Enter Item name that does not exist
Toast shell does not exist

Timestamp 4:50

Use Case 09: check order history

Not implemented

1. Didn't get this recyclerview implemented, in retrospect shouldn't have tried to recyclerviews for all, learning recyclerviews took half of the time I should have been building. I learned a lot of things I did not get to implement though, swipe, click and color...another day

Use Case 10: cancel order (user)

Not implemented

1. Log in as user
2. Choose "Cancel Order"
3. Display current orders
4. Choose order you wish to cancel
5. Choose "CANCEL ORDER"
6. Confirm Cancel
7. Display toast message order Canceled

Use Case 11: delete order (admin)

Not implemented

1. Login as admin
2. Choose Admin Option from Main Menu
3. Choose View Existing Orders
4. Choose Delete An Order
5. Choose an existing order from the drop down and Cancel
6. Confirm Cancel
7. Display toast message order has been canceled
(In real world would want to send a notification to the buyer and reason for cancellation)

Use Case 12: review existing orders (admin)

pass/fail

1. Login as admin
2. Choose Admin options to display Admin menu
3. Choose View Existing Orders
4. Display list of existing orders

Use Case 13: review inventory (admin)

Not implemented

1. Login as admin
2. Choose "View Existing Items" option
3. Displays current items carried and number of each item currently in inventory

Use Case 14: review users (admin)

Not Implemented

1. Login as user
2. Choose View User Info
3. See username and password

Use Case 15: view user info (user)

Pass

1. Login as user
2. Choose "My info" on main menu
3. Display user details (username, password, user Id)

Use Case 16: view items available to order

PASS

1. Login as admin
2. Admin options
3. Click "View Available Inventory"
4. Display list of items and the number of each in inventory

Timestamp 7:20