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Project 02: Fireworks Store
CST 338-40-FA22

Joe Dirt’s online fireworks store

Kicking Wing’s fireworks stand had none of the cool stuff, so Joe started his own store. It only sells the cool stuff! The admin users have a completely different section than the normal users. Normal users can only create an account, browse, order, and interact with their orders/cart(canceling and repeating orders). The admin can edit products, edit users, cancel orders and add other admin(and regular) users.

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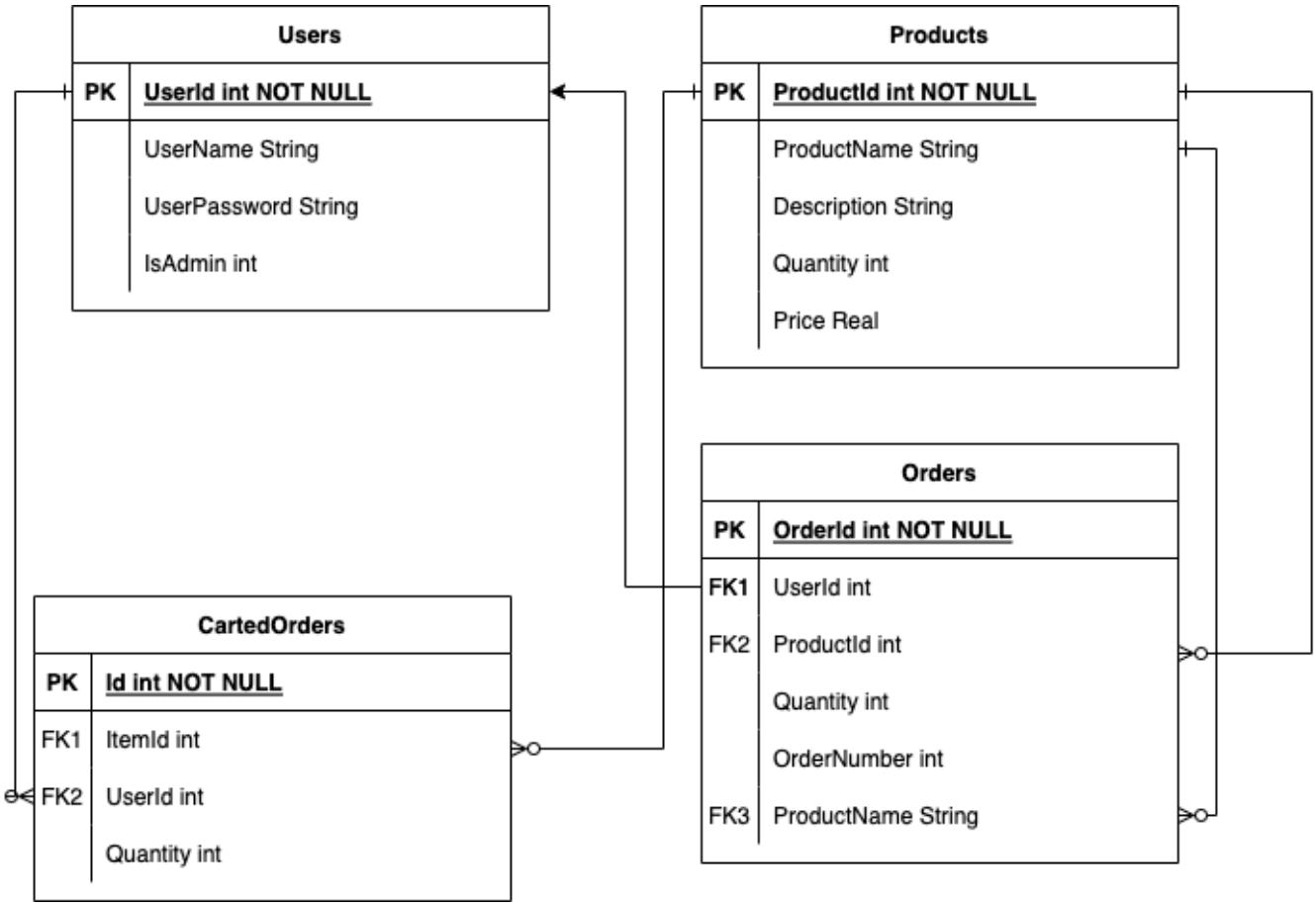

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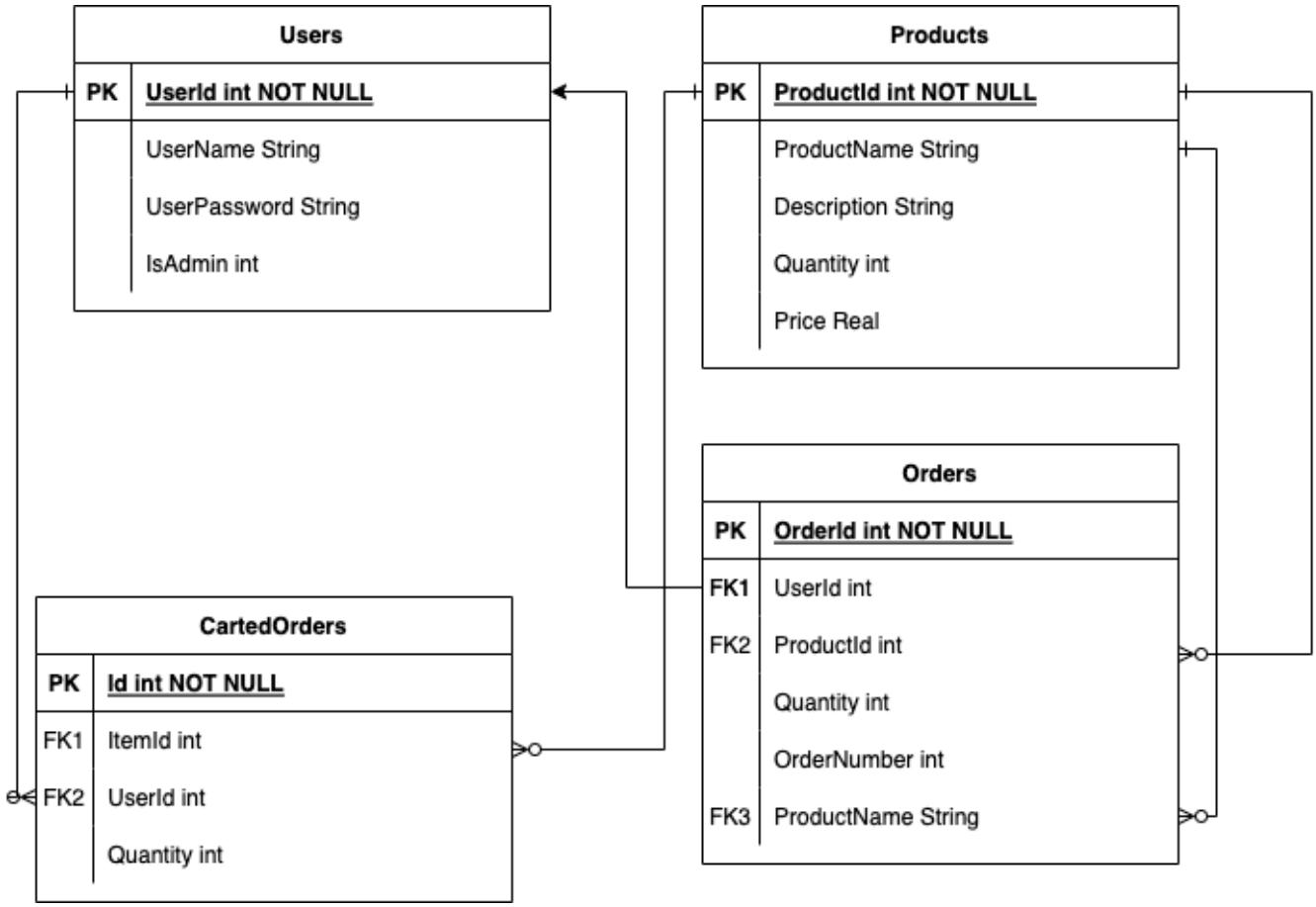
Database Diagram



Use Case 01: {Predefined Users}

pass

1. Force quit the application[1]
2. Login as testuser1
3. Display the username 'testuser1'
4. Logout
5. Login as admin2
6. Display the username 'admin2'
7. Display something specific to the admin user.
    a. Something like an admin button or a link to edit items.
8. Use case ends.

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

[link to where it happens in the video]

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

Use Case 02: {Persistence}

pass

1. Add an item to the database
2. Force quit the application[2]
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
7. Use case ends.

[2] How to force quit an application in Android: https://www.digitaltrends.com/mobile/how-to-force-close-apps-android/

Use Case 03: {Admin adds a user}

pass

1. Log out.
2. Attempt to login in as ‘testUser2’.
3. Display “No user exists with that username/password combination” message.
4. Login as admin user.
5. Click “Add User” button.
6. Enter user credentials for ‘testUser2’
7. Click create user button.
8. Display message confirming user created.
9. Login as ‘testUser2’.
10. Display the username ‘testUser2’.
11. Use case ends.

Alternate {Duplicate user name}
(Admin enters a username that is already taken in step 6)
6. Display message that username is already taken
7. Admin enters new credentials that aren’t taken.
8. Display message confirming user created.
9. Log out.
10. Login as newly created user.
11. Display new user name.
12. Use case ends.

Use Case 04: {Delete a user}

pass

1. Log out.
2. Log in as admin account.
3. Click “View Users” button.
4. Click on user to delete.
5. Click “Delete User” button.
6. Display “Are you sure?” dialog
7. Click “Yes” option.
8. Display message confirming user was deleted
9. User list updates to display that the user no longer exists in the database.
10. Use case ends.

Alternate {Admin decides to not delete}
(Admin decides not to delete at step 6)
6. Admin clicks “Cancel” button in dialog.
7. Click back.
8. Click “View Users” button.
9. Confirm user still exists.
10. Use case ends.

Use Case 05: {Add an item}

pass

1. Log in as admin
2. Click View Inventory
3. Search for item
4. Show that item doesn’t exist in database.
5. Click add item button
6. Enter item details.
7. Click submit.
8. Display message confirming item was added.
9. Search for item
10. Show that item exists in database.
11. Use case ends.

Use Case 06: {Modify an item}

pass

1. Log in as admin user.
2. Click View Inventory.
3. Search for item.
4. Display item details.
5. Click “Edit Item” button.
6. Edit the item description field.
7. Click edit.
8. Search for item.
9. Display modified item details.
10. End use case.

Use Case 07: {Delete an item}

pass

1. Log in as admin user.
2. Click View Inventory.
3. Search for item.
4. Display item details.
5. Click “Delete Item” button.
6. Display “Confirm delete item” message.
7. Click confirm.
8. Search for item.
9. Display that item no longer exists in inventory.
10. End use case.

Use Case 08: {Add item to cart}

pass

1. Login as regular user.
2. Click on cart button to show it is empty.
3. Click back button.
4. Click search items button.
5. Search for item.
6. Display item details.
7. Click “Add to cart” button.
8. Add item to users cart.
9. Click back button
10. Click on cart.
11. Show that item exists in cart.
12. End use case.

Alternate {Item has zero quantity}
(User selects item that has zero units in stock picking up from step 4.)
5. Click “Add to cart” button.
6. User tries to click the“Add to cart” button and is shown a “Sorry, there aren’t enough of those in stock” message.
8. Use case ends.

Use Case 09: {View order history}

pass

1. Login as regular user.
2. Click “View Order History” button.
3. Display users order history.
4. Use case ends.

Alternate {User has no order history}
(User has placed no orders, so nothing to display after “View Order History” clicked)
3. User has no order history to display
4. Display “Sorry, no order history for your account” message.
5. Use case ends.

Use Case 10 : {Cancel order}

pass

1. Login as regular user.
2. Click “View Order History” button.
3. Display users order history.
4. User clicks on an order.
5. Display order details.
6. User clicks on “Cancel Order” button.
7. Display “Are you sure you want to cancel the order” dialog.
8. User clicks the “Yes, cancel order” response.
9. Display “Order cancelled” confirmation.
10. Update order details to show order is cancelled.
11. Update inventory to add order items back to inventory.
12. End use case.

Alternate {User has no order history}
(User has placed no orders, so nothing to display after “View Order History” clicked)
4. User has no order history to display
5. Display “Sorry, no order history for your account” message.
6. Use case ends.

Use Case 11 : {User creates a new account}

pass

1. Log out.
2. Attempt to login in as ‘testUser2’.
3. Display “No user exists with that username/password combination” message.
4. Click the Create account button
5. Enter user credentials for ‘testUser2’
6. Display message confirming user created.
7. Login as ‘testUser2’.
8. Display the username ‘testUser2’.
9. Use case ends.

Alternate {Duplicate user name}
(User enters a username that is already taken in step 5)
6. Display message that username is already taken
7. User enters new credentials that aren’t taken.
8. Display message confirming user created.
9. Login as newly created user.
10. Display new user name.
11. Use case ends.

Use Case 12 : {Checkout cart- place order}

pass

1. Login as regular user.
2. Click Browse button.
3. Search for item and select it.
4. Display item details.
5. Click “Add to cart” button.
6. Add item to users cart.
7. Click on cart.
8. Show that item exists in cart.
9. User clicks the “Checkout” button.
10. Display “Are you sure” dialog.
11. Display users order history showing the new order.
12. End use case.

Alternate {User changes their mind – clears cart}
(User decides not to checkout, and instead clicks “Clear Cart” button after step 10)
11. User clicks on “Clear cart” button.
12. Display “Are you sure you want to clear the cart” dialog.
13. User clicks “Clear Cart” response.
14. Clear all items from cart.
16. Use case ends.

Use Case 13: {Search for item}

fail

1. Login.
2. Click Browse Button
3. Click search items button.
4. User enters item name.
5. Display possible matches.
6. User clicks on correct match.
7. Display item details
8. End use case.

Alternate {No matches found}
(No matches are found for the name entered in step 3)
4. Display “Sorry, no items match that search”
5. End use case.

Use Case 14 {View total orders}

pass

1. Login as admin.
2. Click “View Order History Button”
3. Display order history for all users.
4. Use case ends.

Alternate {No orders have been placed}
(No users have ever placed an order, so nothing to display after “View Order History” clicked)
3. There is no order history to display.
4. Display “Sorry, you haven’t received any orders” message.
5. Use case ends.

Use Case 15 {Browse Items}

pass

1. Login.
2. Click “Browse” button
3. Display all items in inventory
4. End use case.

Alternate {Change the filter method}
(User decides they want to see items sorted by price, after display all items step)
4. User clicks filter by price.
4. Display all items sorted by price.
5. Use case ends.

Use Case 16 : {Repeat order}

pass

1. Login as regular user.
2. Click “View Order History” button.
3. Display users order history.
4. User clicks on an order.
5. Display the details of the order.
6. User clicks on “Repeat Order” button.
7. Display dialog “Are you sure you want to repeat this order?”.
8. User selects “Yes, repeat this order” option.
9. Add order to users order history.
10. Display users order history to show the repeated order is there.
11. Use case ends.

Alternate {User changes their mind}
(User decides not to re-order after step 7)
3. User selects “Cancel option.
5. Use case ends.