**Generative AI Prompts**

This document should be stored in your team’s GitHub repository in the *docs* folder. All generative AI prompts must be listed here in chronological order. Utilize the template, copying to make more. The *AI Engine* field is the source you used, for example: Copilot, ChatGPT, *etc.*

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| Date | 10/17 | Team Member(s) | Bazil Ashfaq |
|  |  | AI Engine | ChatGPT |

Prompt: “Can you show me an example of a class that uses MVC model”

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| Date | 10/21/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Can you give me an example of a JavaFX application that utilizes a TabPane?

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| Date | 10/21/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt:   
  
Add a dropdown for "Tab 1" that displays a collection of "Category". "Category"'s can be added to this dropdown.

A "Category" is a Java class that contains only the following:

- A private String, name

- A constructor, public Category(String name)

- A getName() method

- A setName(String name) method

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| Date | 10/21/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Make the Category dropdown display the word "Category" until a category is selected

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| Date | 10/21/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt:

Add a dropdown to "Tab 2" that displays the categories that have been added to "Tab 1". The dropdown in Tab 2 should be updated as soon as a Category has been added on Tab 1.

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| Date | 10/21/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt:

Change the name of the class from "TabPaneExample" to "Main"

Change the name of Tab 1 to System Admin

Change the name of Tab 2 to User Interface

In the "System Admin" tab (Previously "Tab 1"), the selected category in the dropdown should not change until the user selects a specific Category. Right now, it is changing whenever a new Category is added.

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| Date | 10/21/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt:

Add this package statement to the top of you code:

"package application;"

Prevent the user from closing any tabs.

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| Date | 10/21/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Format this code using MVC (Model-View-Controller) Architecture.

Prompt: Add a button to set a buyer's premium on the System Admin Tab. This should be a percentage, stored as a double (ex: 50.00 translates to 50%, but is stored as 50.00)

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| Date | 10/24 | Team Member(s) | Bazil Ashfaq |
|  |  | AI Engine | ChatGPT |

Prompt: “How can I make the Category that is currently selected to display without removing the option to go back to the unselected option”

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| Date | 10/24 | Team Member(s) | Bazil Ashfaq |
|  |  | AI Engine | ChatGPT |

Prompt: “When I select a different category the other options disappear how can I fix this.”

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| Date | 10/24/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Add a button to set a Seller's Commision as well. It is also a double. Do not print the buy'ers premium or the seller's commission to the console when they are set.

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| Date | 10/24/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Add text in the user interface tab to display the buyer's premium and the seller's commission. Add spacing between the Category, Buyer's Premium, and the Seller's Commission on the System Admin tab. Shorten the text fields to enter the category, buyer's premium and the seller's commission so that they cover only 2/3 of the screen length rather than the full screen length on the System admin tab. Rename Tab 3 to be called "My profile".

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| Date | 10/30 | Team Member(s) | Bazil Ashfaq |
|  |  | AI Engine | ChatGPT |

Prompt: “Does this class need anything else or can it be improved.”

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Add a button to list an item for sale on the "User inteface" tab. Clicking this button should open a new tab to create an item. The item must be specified as “new” or “used”. Items have a title, weight, description, category, and up to three tags, and each tag can contain up to 40 characters. The available categories for an item are any category that has been added via the "System Admin" Tab. You cannot add an item if no category has been created yet. The "Create Item" tab should be closed automatically once the item has been created

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: You stopped in the middle of writing your code, please continue where you left off

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: An item should have it's own class and should follow MVC architecture like the rest of the code does.

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Clicking the "Create Item" button on the create item tab does not close the tab.

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The "Weight" should accept a number (allowing decimals) and should pront the user to select between common measurements for weight, such as oz, grams, lbs, etc.

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The window is a little too small, can you increase the size ?

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Add a start and end date for the listed auction. The start date should automatically be filled in as the current date and time. The end date and time should be set by the user listing an item for sale. The user should have the option when creating an item to list a "Buy it now" price, in usd.

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: You stopped in the middle of writing code, please continue.

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| Date | 10/31/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The end date can not be listed as before the start date. Make sure the user can not list the end date as anything before the current date and time

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| --- | --- | --- | --- |
| Date | 11/1 | Team Member(s) | Bazil Ashfaq |
|  |  | AI Engine | ChatGPT |

Prompt: “How can I make Item class be connected to the Category class”

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| --- | --- | --- | --- |
| Date | 11/2 | Team Member(s) | Bazil Ashfaq |
|  |  | AI Engine | ChatGPT |

Prompt: “Can you write tests that would effectively test every method in my Category class”

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| --- | --- | --- | --- |
| Date | 11/2 | Team Member(s) | Bazil Ashfaq |
|  |  | AI Engine | ChatGPT |

Prompt: “Can you write tests that would effectively test every method in my Item class”

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Display any items that I have created onto the "My Profile" tab. Displayed Items should be sorted on ending date, soonest first, show item name, price, shipping cost, whether active or not, winning or current bid.

Also display all created items onto the "User Interface" tab, beneath the "Create Item" button. Allow the ability to scroll down the page if there are too many items listed. These items should be shown in chronological order based on ending date, i.e. soonest to end listed first.

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The constructor ItemController(ItemView, ObservableList<Category>, TabPane, Tab) is undefined. The method getUserInterfaceItemsBox() is undefined for the type ItemView. The method getMyProfileItemsBox() is undefined for the type ItemView.

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| Date |  | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The method getWeightUnitComboBox() is undefined for the type ItemView.

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: I am going to give you a few WIP classes. These classes are incomplete. The end result will mimic auctioning/online shopping services through a GUI application. Test classes are needed for methods with logic. Generate these JUnit test cases once I have told you that you have received all of the classes. Do not use Testfx.

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Create the test classes without mockito

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The test cases that you created are failling, despite the gui working as intented. Do you know what could be going wrong?

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Do not use testfx

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: They are still failling :(

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: java.lang.ExceptionInInitializerError

at project/application.MainView.<init>(MainView.java:22)

at project/test.MainControllerTest.setUp(MainControllerTest.java:23)

at java.base/java.lang.reflect.Method.invoke(Method.java:580)

at java.base/java.util.ArrayList.forEach(ArrayList.java:1597)

at java.base/java.util.ArrayList.forEach(ArrayList.java:1597)

Caused by: java.lang.IllegalStateException: Toolkit not initialized

at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.runLater(PlatformImpl.java:436)

at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.runLater(PlatformImpl.java:431)

at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.setPlatformUserAgentStylesheet(PlatformImpl.java:724)

at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.setDefaultPlatformUserAgentStylesheet(PlatformImpl.java:686)

at javafx.controls@23.0.1/javafx.scene.control.Control.<clinit>(Control.java:98)

... 5 more

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| Date | 11/3/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The errors have gone away :)

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| Date | 11/4/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: I am going to give you a few classes that I have been working on. After you have received all of the classes, I will ask you to fix an error for me.

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| Date | 11/4/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The price is not being displayed correctly on the My Profile Tab. No items are being displayed on the User Interface Tab when an item is created.

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| Date | 11/4/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Hide the buy it now price for items that do not have a buy it now price

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| Date | 11/4/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: I have gone over everything that you have asked me to look for already, but still no items are being displayed on the user interface tab. Please note, I only want items on the user interface tab to be displayed based on which category is selected at the top of the page. Only items in that category should be displayed. Currently, no items are being displayed

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| Date | 11/4/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: what should the completed maincontroller.java class look like?

11/5/2024

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| --- | --- | --- | --- |
| Date |  | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: I need a system test for each user story that I complete. These system tests should be purely descriptive, not acutally using any code. The first user story is just adding categories. Give me a few test cases for adding categories. Include a description, directions, and expected output.

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| Date | 11/5/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Here is the next user story:

Set Sellers Commision

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| Date | 11/5/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Here is the next user story:

Set Buyer Premium

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| Date | 11/5/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: You stopped typing early. please retype

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| Date | 11/5/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Next user story:

List Item

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| Date | 11/5/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: This is the next user story:

Show My Auctions (my profile tab)

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| Date | 11/5/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: items cannot be set to have an end date in the past

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| --- | --- | --- | --- |
| Date | 11/5/24 | Team Member(s) | Melissa Gutierrez |
|  |  | AI Engine | Copilot |

Prompt: Can you help me write a JUnit test for User 5

Can you help me fix this error:

java.lang.Error: Unresolved compilation problem:

at project/application.SystemTest6.initToolkit(SystemTest6.java:22)

at java.base/java.lang.reflect.Method.invoke(Method.java:578)

at java.base/java.util.ArrayList.forEach(ArrayList.java:1511)

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| Date | 11/6/24 | Team Member(s) | Melissa Gutierrez |
|  |  | AI Engine | Copilot |

Prompt: Set me up to start JUnit testing for user 6

Can you help I'm getting this error:

java.lang.Error: Unresolved compilation problem:

at project/application.SystemTest6.initToolkit(SystemTest6.java:22)

at java.base/java.lang.reflect.Method.invoke(Method.java:578)

at java.base/java.util.ArrayList.forEach(ArrayList.java:1511)

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| Date | 11/6/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: I have the attached test class. It is giving me the following error:

java.lang.Exception: JavaFX initialization took too long

at project/test.SystemTest5.initToolkit(SystemTest5.java:27)

at java.base/java.lang.reflect.Method.invoke(Method.java:580)

at java.base/java.util.ArrayList.forEach(ArrayList.java:1597)\

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| Date | 11/6/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: Caused by: java.lang.IllegalAccessException: class com.sun.javafx.application.LauncherImpl (in module javafx.graphics) cannot access class test.SystemTest5 (in module project) because module project does not export test to module javafx.graphics

at java.base/jdk.internal.reflect.Reflection.newIllegalAccessException(Reflection.java:398)

at java.base/java.lang.reflect.AccessibleObject.checkAccess(AccessibleObject.java:709)

at java.base/java.lang.reflect.Constructor.newInstanceWithCaller(Constructor.java:495)

at java.base/java.lang.reflect.Constructor.newInstance(Constructor.java:486)

at javafx.graphics@23.0.1/com.sun.javafx.application.LauncherImpl.lambda$launchApplication1$8(LauncherImpl.java:795)

at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.lambda$runAndWait$12(PlatformImpl.java:483)

at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.lambda$runLater$10(PlatformImpl.java:456)

at java.base/java.security.AccessController.doPrivileged(AccessController.java:400)

at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.lambda$runLater$11(PlatformImpl.java:455)

at javafx.graphics@23.0.1/com.sun.glass.ui.InvokeLaterDispatcher$Future.run(InvokeLaterDispatcher.java:95)

at javafx.graphics@23.0.1/com.sun.glass.ui.win.WinApplication.\_runLoop(Native Method)

at javafx.graphics@23.0.1/com.sun.glass.ui.win.WinApplication.lambda$runLoop$3(WinApplication.java:184)

... 1 more

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| Date | 11/7/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: I am going to send you some classes that I have been working on. I need you to develop system tests for the user story "Add Category". I will let you know when you have every class needed to develop the coded system tests. do not use testfx or mockito.

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| Date | 11/7/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: java.lang.ExceptionInInitializerError at project/application.MainView.<init>(MainView.java:24) at project/test.SystemTest1.setUp(SystemTest1.java:19) at java.base/java.lang.reflect.Method.invoke(Method.java:580) at java.base/java.util.ArrayList.forEach(ArrayList.java:1597) at java.base/java.util.ArrayList.forEach(ArrayList.java:1597) Caused by: java.lang.IllegalStateException: Toolkit not initialized at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.runLater(PlatformImpl.java:436) at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.runLater(PlatformImpl.java:431) at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.setPlatformUserAgentStylesheet(PlatformImpl.java:724) at javafx.graphics@23.0.1/com.sun.javafx.application.PlatformImpl.setDefaultPlatformUserAgentStylesheet(PlatformImpl.java:686) at javafx.controls@23.0.1/javafx.scene.control.Control.<clinit>(Control.java:98) ... 5 more

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| --- | --- | --- | --- |
| Date | 11/7/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: I am going to give you a few classes that I have been working on. I need you to create JUnit system tests without using testfx or mockito for the user story "List Item". I will let you know when you have all of the necessary classes.

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| --- | --- | --- | --- |
| Date | 11/7/2024 | Team Member(s) | Hudson Bowen |
|  |  | AI Engine | Copilot |

Prompt: The tests are freezing after triggering an alert during the first test