

# Test Case Planning

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## 1. Use Case 1 - View Medications

Test Case ID	TC01 - Successfully Print Medications
Test Objective	Ensure medication information is correctly printed to the screen. Doesn't test if it printed the medications specified, just whether it was able to successfully print medications from the current medications array.
Preconditions	User has started the program (myMedications.main();)
Test Steps	1. Select "Next Page" 2. Quit
Input Values	User enters "3" to select the Next Page. User enters "9" to end the program.
Expected Results	<pre>Unset -- Current Medications Screen --  1. Edit  testDrug (15 mg) Started: 11-01-2024  liquid drug test (100 ml) &gt; Take Daily</pre>

Started: 11-01-2024

Melatonin (5 mg) > Take Evenings

Started: 11-01-2024 End Date: 11-01-2024

Notes: Only take as needed.

2. Previous Page

3. Next Page

4. History

9. Exit

Choice: 3

-- Current Medications Screen --

1. Edit

drug 1 (-2 mg)

Started: 11-01-2024

drug 2 (2 mg)

Started: 11-01-2024

drug 3 (3 mg)

Started: 11-01-2024

2. Previous Page

3. Next Page

4. History

9. Exit

Choice: 9

Exiting the program.

	The program shows the current medications screen with the first 3 medications in the current medications arrayList, Then it shows the current medications screen with a list of the medications in index 3 through 5, Then it exits the program.
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Test Case ID	<b>TC02 - Successfully Print Archived Medications</b>
Test Objective	Ensure archived medication information is correctly printed to the screen. Doesn't test if it printed the medications specified, just whether it was able to successfully print medications from the archived medications array.
Preconditions	User has started the program (myMedications.main();)
Test Steps	<ol style="list-style-type: none"> <li>1. Select "History"</li> <li>2. Select "Next Page"</li> <li>3. Back</li> <li>4. Quit</li> </ol>
Input Values	User enters "4" User enters "3" User enters "9" User enters "9"
Expected Results	<pre> Unset -- Current Medications Screen --  1. Edit  testDrug (15 mg) Started: 11-01-2024  liquid drug test (100 ml) &gt; Take Daily Started: 11-01-2024  Melatonin (5 mg) &gt; Take Evenings Started: 11-01-2024    End Date: 11-01-2024 Notes: Only take as needed.  2. Previous Page 3. Next Page 4. History 9. Exit  Choice: 4 </pre>

-- Archived Medications Screen --

1. Export

arch drug 1 (-2 mg)

Started: 11-01-2024

arch drug 2 (2 mg)

Started: 11-01-2024

arch drug 3 (3 mg)

Started: 11-01-2024

2. Previous Page

3. Next Page

9. Back

Choice: 3

-- Archived Medications Screen --

1. Export

arch drug 3 (3 mg)

Started: 11-01-2024

arch drug 4 (4 mg)

Started: 11-01-2024

arch drug 5 (5 mg)

Started: 11-01-2024

2. Previous Page

3. Next Page

9. Back

Choice: 9

-- Current Medications Screen --

1. Edit

testDrug (15 mg)

Started: 11-01-2024

liquid drug test (100 ml) > Take Daily

Started: 11-01-2024

	<div><pre>Melatonin (5 mg) &gt; Take Evenings Started: 11-01-2024    End Date: 11-01-2024 Notes: Only take as needed.  2. Previous Page 3. Next Page 4. History 9. Exit  Choice: 9  Exiting the program.</pre></div> <p>The program shows the current medications screen, Then it shows the archived medications screen, Then it shows the archived medications screen with the medications in index 3 through 5 of the archived medications arrayList, Then it returns to the current medications screen, Then it exits the program.</p>
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Test Case ID	<b>TC03 - Print Medications At Negative Index</b>
Test Objective	Ensure medication information is printed from the correct index of the ArrayList
Preconditions	None
Test Steps	1. Create an arrayList of medications. 2. printMedication(-1, 3);
Input Values	None
Expected Results	<div><pre>Unset Invalid index: -1</pre></div> <p>The method prints an error message and continues.</p>

Test Case ID	<b>TC04 - Print Medications At Valid Index</b>
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Test Objective	Ensure that the program can successfully print any number of medications as long as it falls under a valid index of the list.
Preconditions	The list of medications has at least 7 different medications saved.
Test Steps	1. Create an arrayList of medications with at least 7 objects 2. printMedication(3, 3);
Input Values	None
Expected Results	<div><p>Unset</p><p>drug 4 (-2 mg) Started: 11-01-2024</p><p>drug 5 (2 mg) Started: 11-01-2024</p><p>drug 6 (3 mg) Started: 11-01-2024</p></div> <p>The program successfully prints the information of the medications in the indices 3, 4, and 5.</p>