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| **Jukebox Screenshots:** |  |  |
| **Test Case** | **Screenshot** | **Comments** |
| JukeTCase\_1 |  | N/A |
| JukeTCase\_2 |  | N/A |
| JukeTCase\_3 |  | N/A |
| JukeTCase\_4 |  | N/A |
| JukeTCase\_5 |  | N/A |
| JukeTCase\_6 |  | N/A |
| JukeTCase\_7 |  | N/A |
| JukeTCase\_8 |  | N/A |
| JukeTCase\_9 |  | N/A |
| JukeTCase\_10 |  | N/A |
| JukeTCase\_11 |  | N/A |
| JukeTCase\_12 |  | N/A |

**AudioPlayer Screenshots:**

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| --- | --- | --- |
| **Test Case** | **Screenshot** | **Comments** |
| PlayerTCase\_1 |  | N/A |
| PlayerTCase\_2 |  | N/A |

**AudioTrack Screenshots:**

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| --- | --- | --- |
| **Test Case** | **Screenshot** | **Comments** |
| TrackTCase\_1 |  | N/A |
| TrackTCase\_2 |  | N/A |
| TrackTCase\_3 |  | N/A |
| TrackTCase\_4 |  | N/A |
| TrackTCase\_5 |  | N/A |
| TrackTCase\_6 |  | N/A |
| TrackTCase\_7 |  | N/A |
| TrackTCase\_8 |  | N/A |
| TrackTCase\_9 |  | N/A |
| TrackTCase\_10 |  | N/A |
| TrackTCase\_11 |  | N/A |

**Console Screenshots:**

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| **Test Case** | **Screenshot** | **Comments** |
| ConsoleTCase\_1 |  | N/A |
| ConsoleTCase\_2 |  | No message is displayed to the user but the system does not crash |
| ConsoleTCase\_3 |  | The tracks by the artist does not need to be displayed in any order. |
| ConsoleTCase\_4 |  | An error occurred that has caused the program to crash |
| ConsoleTCase\_5 |  | As it has asked the user to enter in the ‘Duration’ it has accepted the track title and artist |
| ConsoleTCase\_6 |  | As the system has displayed an error message and asked the user to enter another the title it has rejected the track title and track artist |
| ConsoleTCase\_7 |  | The system has displayed a message and asked the user to enter another track title |
| ConsoleTCase\_8 |  | The system has displayed a message and asked the user to enter another track artist |
| ConsoleTCase\_9 |  | As the system has displayed a message and asked the user to enter the duration again the original duration has been rejected |
| ConsoleTCase\_10 |  | The system has accepted the duration entered as it has prompted the user to select an encoding. |
| ConsoleTCase\_11 |  | The first image shows that the style ‘Rock and Roll’ has been selected. The second image shows the details of the track and that all the details have been saved correctly (the details are outputted by displaying all the records by selecting option 1 in the main menu) |
| ConsoleTCase\_12 |  | The first image shows that the encoding ‘mp3’ has been selected. The second image shows the details of the track and that all the details have been saved correctly (the details are outputted by displaying all the records by selecting option 1 in the main menu) |
| ConsoleTCase\_13 |  | The system has displayed all the tracks and the selected track has been ‘played’. The numOfPlays of the track has been incremented (this has been done by using the menu option 7 which is to display the top 10) |
| ConsoleTCase\_14 |  | The user is prompted to play a track but there are no tracks within the menu, only the option to exit the menu |
| ConsoleTCase\_15 |  | N/A |
| ConsoleTCase\_16 |  | A message is displayed to the user that the saying that a playlist has been created that is empty |
| ConsoleTCase\_17 |  | The first image shows the tracks added to the playlist. The second image shows the tracks being played and the third image shows that the number of Plays of each song has been incremented (this has been done by using the menu option 7 which is to display the top 10) |
| ConsoleTCase\_18 |  | N/A |
| ConsoleTCase\_19 |  | N/A |
| ConsoleTCase\_20 |  | N/A |

**‘Testing Errors After They are Fixed’ Screenshots**

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| **Test Case** | **Screenshot** | **Comments** |
| JukeDefect\_1 |  | The test has succeeded as nothing has been outputted to the console. This means that the null value was not added to Jukebox. An if statement was added to check if the value being added was null and if it was it would not add it to the Jukebox (Note: This test was conducted using the method ‘JukeTCase\_2()’ within part03 in the ‘JukeboxTester.java’ file) |
| JukeDefect\_2 |  | An if statement checking if the ArrayList is null was added to ‘shuffle()’ to fix the problem (Note: This test was conducted using the method ‘JukeTCase\_11()’ within part03 in the ‘JukeboxTester.java’ file) |
| ConsoleDefect\_1 |  | An if statement has been added to ‘processChoice()’ which checks if there are any AudioTracks within Jukebox and if the choice is not equal to 3 as the user should be able to add an AudioTrack if there was no AudioTracks in Jukebox |
| ConsoleDefect\_2 |  | An if statement has been added to ‘processChoice()’ which checks if there are any AudioTracks within Jukebox and if the choice is not equal to 3 as the user should be able to add an AudioTrack if there was no AudioTracks in Jukebox |
| ConsoleDefect\_3 |  | An if statement has been added to ‘processChoice()’ which checks if there are any AudioTracks within Jukebox and if the choice is not equal to 3 as the user should be able to add an AudioTrack if there was no AudioTracks in Jukebox |
| ConsoleDefect\_4 |  | An if statement has been added to ‘processChoice()’ which checks if there are any AudioTracks within Jukebox and if the choice is not equal to 3 as the user should be able to add an AudioTrack if there was no AudioTracks in Jukebox |