imDb Project GUI Manual Test Plan:

1. Run main file Gui.py and ensure home page GUI displays.

Graphical user interface, text, application

Description automatically generated

1. Test ‘Update Now’ button on home page, ensure that message displays database, and terminal confirms imDbDB.py updated the database.

Graphical user interface, application

Description automatically generated

1. Test ‘Most Popular TV Shows’ button, ensure that both table for most popular shows window displays, alongside a small window housing buttons for sorting by rank, rankUpDown, and to display a list of shows found in both most popular and top 250 tables.

Graphical user interface, application

Description automatically generated

1. Check rows when cell is clicked to ensure top 250 tv data shows up in new window when show appearing in both is selected.

Graphical user interface, table

Description automatically generated

1. Test TV shows sorted by rank button and confirm table sorted by rank is displayed in a new window.

Table

Description automatically generated

1. Check rows when cell is clicked to ensure top 250 tv data shows up in new window when show appearing in both is selected.

Table

Description automatically generated

1. Test TV shows sorted by rankUpDown button and ensure table sorted by rankUpDown is displayed in a new window, replacing the window sorted by rank if its still open.

Table

Description automatically generated

1. Check rows when cell is clicked to ensure top 250 tv data shows up in new window when show appearing in both is selected.

Table

Description automatically generated

1. Test ‘Shows in Top 250 and Most Popular’ button and ensure that new window with table housing cross-referenced shows within. This window will replace windows with sorted data if they are open.

Graphical user interface, email

Description automatically generated with medium confidence

1. Test ‘Most Popular Movies List’ button on home page and ensure list of Most popular movies in a new window alongside a small window housing buttons for sorting and displaying movies found in both top 250 and most popular tables of the database.

Graphical user interface, application

Description automatically generated

1. Check rows when cell is clicked to ensure top 250 movie data shows up in new window when show appearing in both is selected.

Table

Description automatically generated

1. Test ‘Sorted by: Rank’ button in movie sort buttons window and ensure that a new window with data sorted by rank is displayed.

Table

Description automatically generated

1. Check rows when cell is clicked to ensure top 250 movie data shows up in new window when show appearing in both is selected.

Graphical user interface, table

Description automatically generated

1. Test ‘Sorted by: RankUpDown’ button in movie sort buttons window and ensure that a new window with data sorted by rankUpDown is displayed.

Table

Description automatically generated

1. Check rows when cell is clicked to ensure top 250 movie data shows up in new window when show appearing in both is selected.

Table

Description automatically generated

1. Test ‘Movies in Top 250 and Most Popular’ button and ensure that new window with table housing cross-referenced movies within the 2 tables. This window will replace windows with sorted data if they are open.

Graphical user interface, table

Description automatically generated

1. On the home page Test ‘Analyze Data Points’ button and ensure that when pressed 2 windows with different types of graphs appear. The first a bar graph with minimal labeling, as well as a pie chart with much more complete labeling. The pie chart with display both the counts alongside the percentage of the individual count compared to the total count.

**Pictures on next page**

Graphical user interface, application

Description automatically generated