Portfolio 2 – Advanced Prototype & Test Logs

**P Number:** P2863788

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**Individual Component:** AI Finder & OMDb Integration

**Team Name:** CodeFlix(Team-1)

**GitHub Link:** <https://github.com/tauheednabil-TAN/CodeFlix.git>

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# SQL Server Login Details

Add the username and password of your SQL Server Account below

**Server Name: Local SQLite — movies.db**

**User Name: Not Needed**

**Password: Not Needed**

It is compulsory to download DB browser([https://sqlitebrowser.org/dl/)](https://sqlitebrowser.org/dl/)%20) to check the database and run SQL Queries as we are using SQLite for the database. To check the database, we need to open database from the expected folder called “movie.dB”. We have total 3 tables in the database. They are:  
1. **enhanced\_movies(Main Table):**  
 This is the **heart of your system**. Everything related to movies (manual entries + API entries) is stored here. This table is designed as an **all-in-one movie table** — not split into multiple relational tables. Everything is stored directly inside one row. That means no watchlist table, no user table and no genre table. All info is embedded in enhanced\_movies. We can write sql queries to edit manually from the DB Browser from the “Execute SQL” section of the browser.  
  
2. **sqlite\_sequence (System Table):**  
 This is automatically created by SQLite when you use **AUTOINCREMENT**. This table must not be edited as it will crash the whole system.

3. **app\_metadata(Application Info):**  
 This table stores simple app settings. Your system is **skipping seeding** because your seed.py script is **detecting that the database already contains movies**, so it refuses to insert duplicates. Your seed.py script likely contains logic like this to prevent duplicate data:  
 # Check if database is already seeded

        c.execute("SELECT COUNT(\*) FROM enhanced\_movies")

        count = c.fetchone()[0]

        if count > 0:

            print(f"Database already contains {count} movies. Skipping seeding.")

            conn.close()

            return False

As a result, it is showing false in the table as value.

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# Test Plan:

|  |  |  |
| --- | --- | --- |
| Test Logs | Test Description | Status(Pass or Fail) |
| Search Movies by Name | It tests how the system handles extreme inputs for the AI Finder search bar. | Pass |
| Search Movies by the help of chatbot | It tests how the system handles extreme inputs for the AI Finder chatbot. | Pass |
| View recent searches in chatbot | It tests how to check the chatbot history in the system. Just Scroll Up or Down in the mousepad to check the chatbot history in the chatbot section of the page. So there is no valid data type for this page. As a result, N/A has been put in the table in every section. | Pass |
| Popular Right Now | It tests how the system works if any movies of the popular right now Tab have been selected for vewing. | Pass |

# Test Logs:

|  |  |  |  |
| --- | --- | --- | --- |
| **Author of test plan & log:**  **Name of tester: Tauheed Ahmed Nabil**  **Date of testing: 29th November, 2025** | | | |
|  | | | |
| **Description of Item to Be Tested: The test name is “ Search Movies by Name ”. It tests how the system handles extreme inputs for the AI Finder search bar.** | | | |
| **Required Field Y / N: Y** | | | |
|  | | | |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | **Empty Input(Without writing anything in the search box press “Enter or Search”)** | |  | | --- | |  |   **Enter movie title, anime or genre in the background of the searchbox(Prove the validation). Show no result.**   |  | | --- | |  | | **As expected** |
| Min -1 | **Type “ ”(Just put space in the search box)** | **Error shown: “Please enter a movie title.”** | **Showing random result in Anime section** |
| Min (Boundary) | **Type “A”** | **Valid search, OMDb returns movies starting with “A”** | **Showing random result in Anime section** |
| Min +1 | **Type “As”** | **Valid search, OMDb returns movies starting with “As”** | **Showing random result in Anime and movie section. In movie section it created sample data on its own.** |
| Max -1 | **249 Characters** | **Still accepted, OMDb processes trimmed input** | **Showing random result** |
| Max (Boundary) | **250 Chars** | **Showing sample movies** | **Showing random result as sample movies** |
| Max +1 | **251 Chars** | **Accepted, long string processed** | **No movies found matching your criteria. Try adding more movies to your collection!** |
| Mid | **Type "Avengers"** | **Correct list of Avengers movies returned** | **As expected** |
| Extreme Max | **1000 chars** | **OMDb returns “Too many characters” / fallback to no results** | **As expected** |
| Invalid data type | **N/A** | **N/A** | **N/A** |
| Other tests | **N/A** |  |  |
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| **Author of test plan & log:**  **Name of tester: Tauheed Ahmed Nabil**  **Date of testing: 3rd December, 2025** | | | |
|  | | | |
| **Description of Item to Be Tested: The test name is “ Search Movies by the help of chatbot ”. It tests how the system handles extreme inputs for the AI Finder chatbot.** | | | |
| **Required Field Y / N: Y** | | | |
|  | | | |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | **Empty Input(Without writing anything in the search box press “Enter or Search”)** | |  | | --- | |  | | **Tell me your mood, a plot, or actor names…\nExample: 'Sad mood, recommend 3 sci-fi movies' or 'Movie like Interstellar but with more romance'. (Prove the validation). Show no result.** | | **As expected** |
| Min -1 | **Type “ ”(Just put space in the search box)** | **Error shown: “Please enter a movie title.”** | **Okay, I understand. I'm ready to be your friendly movie expert inside CodeFlix! I'll do my best to find the perfect movies based on your requests and present them in two parts as described. Let's get started!**  ***No specific movie titles could be found for this query.*** |
| Min (Boundary) | **Type “A”** | **Valid search, Gemini API returns movies starting with “A”** | **As expected** |
| Min +1 | **Type “As”** | **Valid search, Gemini API returns movies starting with “As”** | ***No specific movie titles could be found for this query.*** |
| Max -1 | **N/A** | **N/A** | **N/A** |
| Max (Boundary) | **N/A** | **N/A** | **N/A** |
| Max +1 | **N/A** | **N/A** | **N/A** |
| Mid | **Type "** **SRK Action and comedy movies "** | **Correct list of Text expected result.** | **As expected** |
| Extreme Max | **N/A** | **N/A** | **N/A** |
| Invalid data type | **N/A** | **N/A** | **N/A** |
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| **Author of test plan & log:**  **Name of tester: Tauheed Ahmed Nabil**  **Date of testing: 3rd December, 2025** | | | |
|  | | | |
| **Description of Item to Be Tested: The test name is “ View recent searches in chatbot ”. It tests how to check the chatbot history in the system. Just Scroll Up or Down in the mousepad to check the chatbot history in the chatbot section of the page. So there is no valid data type for this page. As a result, N/A has been put in the table in every section.** | | | |
| **Required Field Y / N: N** | | | |
|  | | | |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | **N/A** | |  | | --- | |  | | **N/A** | | **N/A** |
| Min -1 | **N/A** | **N/A** | **N/A** |
| Min (Boundary) | **N/A** | **N/A** | **N/A** |
| Min +1 | **N/A** | **N/A** | **N/A** |
| Max -1 | **N/A** | **N/A** | **N/A** |
| Max (Boundary) | **N/A** | **N/A** | **N/A** |
| Max +1 | **N/A** | **N/A** | **N/A** |
| Mid | **N/A** | **N/A** | **N/A** |
| Extreme Max | **N/A** | **N/A** | **N/A** |
| Invalid data type | **N/A** | **N/A** | **N/A** |
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A screenshot of a movie list

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| --- | --- | --- | --- |
| **Author of test plan & log:**  **Name of tester: Tauheed Ahmed Nabil**  **Date of testing: 29th November, 2025** | | | |
|  | | | |
| **Description of Item to Be Tested: The test name is “Popular Right Now”. It tests how the system works if any movies of the popular right now Tab have been selected for vewing.** | | | |
| **Required Field Y / N: Y** | | | |
|  | | | |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | **Doing Nothing** | |  | | --- | |  |   **Nothing Changes** | **Nothing Changes** |
| Min -1 | **N/A** | **N/A** | **N/A** |
| Min (Boundary) | **Doing Nothing** | **Nothing Changes** | **Nothing Changes** |
| Min +1 | **Add movies in the Checklist** | **Add expected movie in the “my collection” page** | **As expected** |
| Max -1 | **Add all movies except one of the tab in the Checklist** | **Add expected movies in the “my collection” page** | **As expected** |
| Max (Boundary) | **Add all movies except one of the tab in the Checklist** | **Add expected movies in the “my collection” page** | **As expected** |
| Max +1 | **N/A** | **N/A** | **N/A** |
| Mid | **Add movies except one of the tab in the Checklist** | **N/A** | **N/A** |
| Extreme Max | **N/A** | **N/A** | **N/A** |
| Invalid data type | **N/A** | **N/A** | **N/A** |
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| **Additional Notes / Instructions: Please Run the Streamlit web-app perfectly with running every commands correctly and chronologically. Please follow the Readme instruction properly and run it.** |

**Additional Test:**

All the main coding actions, like the backend and frontend, are handled by one file called app.py. As this system is completely new for us, we started and updated this project following different tutorials on YouTube. We thought we could refactor it by the end of our project when it ends. But when we tried to refactor the whole project while keeping all the code lines and output as same as before, the system kept crashing all the time. I have put my refactored file as a zip called **Refactored.zip(** [**https://github.com/tauheednabil-TAN/CodeFlix/blob/main/Refactored.zip**](https://github.com/tauheednabil-TAN/CodeFlix/blob/main/Refactored.zip) **)** for reference in the portfolio folder. I have spent hours making it work. But unfortunately, it did not. So we kept the latest prototype model for the final project, which is called ”**CodeFlix.zip**”. Some Photoes of error have been attached below for reference:

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