

Movie Journal Test Plan

Overall Test Plan

Our Approach to testing will consist of two phases. The first phase will solely be unit testing. We will use simulated data, including data simulating movie titles, movie reviews, and user data, to test every functionality of our software. The second phase will be based on manual testing of the entire software. We will use the app as a customer would and test every functionality of the software.

Test Case Descriptions

UT 1.1 **Unit Test 1**

UT 1.2 This test will ensure a review entry gets correctly added to the database.

UT 1.3 This test will use the same method the app uses to add a movie review entry to the database. The test will then use the same method the app uses to retrieve the movie review entry from the database. The input data and the data retrieved from the database will then be compared.

UT 1.4 Inputs: A movie title and the review text

UT 1.5 Expected Results: The entry containing the movie title and review text can be successfully pulled from the database.

UT 1.6 Normal

UT 1.7 Whitebox

UT 1.8 Functional

UT 1.9 Unit

UT 2.1 **Unit Test 2**

UT 2.2 This test will ensure a review entry doesn't get added to the database when there is an existing review for the same movie already in the database.

UT 2.3 This test will use the method that adds a movie review to the database. The first journal entry should be added successfully. The second journal entry (with the same movie title) is then added to the database. The method used to retrieve a journal entry is then called and the review text should match that of the first entry.

UT 2.4 Inputs: A movie title and two different review texts

UT 2.5 Expected Results: The first entry for the movie remains and the new review text isn't seen.

UT 2.6 Abnormal

UT 2.7 Whitebox

UT 2.8 Functional

UT 2.9 Unit

UT 3.1 **Unit Test 3**

UT 3.2 This test will ensure a movie journal entry can be successfully removed from the database.

UT 3.3 A journal entry is created with the inputs and added to the database. It should be confirmed the entry was successfully added. The entry should then get deleted from the database using the same method the app does to do so. Then it should be confirmed that no entry with the title remains in the database.

UT 3.4 Inputs: A movie title and review text

UT 3.5 Expected Results: After adding the journal entry, the entry should be deleted and no entry with the corresponding title should remain.

UT 3.6 Normal

UT 3.7 Whitebox

UT 3.8 Functional

UT 3.9 Unit

UT 4.1 **Unit Test 4**

UT 4.2 This test will ensure that a movie journal entry can be successfully edited and updated in the database.

UT 4.3 For this test, there must be an existing entry in the database that can be updated. Then, the entry is edited and the description for the entry is updated. It should then be confirmed that the entry was updated in the database.

UT 4.4 Inputs: New review text

UT 4.5 Expected Results: The entry should be updated with the new description in the database.

UT 4.6 Normal

UT 4.7 Whitebox

UT 4.8 Functional

UT 4.9 Unit

MT 1.1 **Manual Test 1**

MT 1.2 This test will ensure a user can add and view a movie review entry.

MT 1.3 For this test, a user using the app will create a new movie journal entry. The user will then go to their entries and ensure the entry they just added can be seen with the correct input data.

MT 1.4 Inputs: A movie title and movie review text

MT 1.5 Expected Results: The user should be able to view the movie review that they added in the app.

MT 1.6 Normal

MT 1.7 Blackbox

MT 1.8 Functional

MT 1.9 Integration

MT 2.1 **Manual Test 2**

MT 2.2 This test will ensure a new entry doesn't get added to the list of entries when there is an existing entry for the same movie.

MT 2.3 A user should add a new entry with the movie title and first review text. The user should try to view the entry to confirm it was added successfully. The user will then try to add another entry with the same movie title but different review text. The user should then try and view the entry for the movie title added and confirm the review text is that of the first entry added.

MT 2.4 Inputs: A movie title and two different review texts.

MT 2.5 Expected Result: A movie review should be visible with the first review text

MT 2.6 Abnormal

MT 2.7 Blackbox

MT 2.8 Functional

MT 2.9 Integration

MT 3.1 **Manual Test 3**

MT 3.2 This test will ensure a movie review can be successfully deleted from the app.

MT 3.3 A user should first add a new journal entry and confirm the new entry can be seen in the app. The user should then attempt to delete the journal entry they just added. The user should then try to view the journal entry that was first added and confirm that it cannot be seen anymore.

MT 3.4 Inputs: A movie title and corresponding review text

MT 3.5 Expected result: A movie review should be added to the app, then removed

MT 3.6 Normal

MT 3.7 Blackbox

MT 3.8 Functional

MT 3.9 Integration

MT 4.1 **Manual Test 4**

MT 4.2 This test will ensure that a user can successfully edit an entry.

MT 4.3 For this test, there must be an existing entry in the app that can be edited. Then, the user edits the entry by updating the review text. The user should then view the edited entry and see the new review text

MT 4.4 Inputs: New review text

MT 4.5 Expected Results: The entry should be updated with the new review text when viewing it again.

MT 4.6 Normal

MT 4.7 Blackbox

MT 4.8 Functional

MT 4.9 Integration

MT 5.1 **Manual Test 5**

MT 5.2 This test will ensure that the app loads quickly and responds to user action

MT 5.3 For this test, the user must open the app, and all of the entries must load within a few seconds and the app should respond to user actions such as pressing the new entry button or viewing a previous entry

MT 5.4 Inputs: N/A

MT 5.5 Expected Results: App opens quickly and responds to user actions

MT 5.6 Normal

MT 5.7 Blackbox

MT 5.8 Performance

MT 5.9 Integration

MT 6.1 **Manual Test 6**

MT 6.2 This test will ensure that the database does not change when user actions are not completed.

MT 6.3 For this test, the user must edit an existing entry in the app, then close the app before saving the entry. The user then reopens the app and views the same entry they were editing before. The app should show the entry with the data from before the app was edited.

MT 6.4 Inputs: New review text

MT 6.5 Expected results: Entry shows data from before editing

MT 6.6 Abnormal

MT 6.7 Blackbox

MT 6.8 Functional
MT 6.9 Integration

Test Matrix

Identifier	Normal/ Abnormal	Blackbox/ Whitebox	Functional/ Performance	Unit/ Integration
UT 1	Normal	Whitebox	Functional	Unit
UT 2	Abnormal	Whitebox	Functional	Unit
UT 3	Normal	Whitebox	Functional	Unit
UT 4	Normal	Whitebox	Functional	Unit
MT 1	Normal	Blackbox	Functional	Integration
MT 2	Abnormal	Blackbox	Functional	Integration
MT 3	Normal	Blackbox	Functional	Integration
MT 4	Normal	Blackox	Functional	Integration
MT 5	Normal	Blackbox	Performance	Integration
MT 6	Abnormal	Blackbox	Functional	Integration