# Test Plan

Positive tests have a blue ID, negative tests have a red ID.

Manual tests are underlined

## Task 3

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Importance | Description | Expected outcome | Actual Outcome | Status |
| 1 | API Status | High | Check that API URL is accessible online | API returns the requested page without error. | Page was returned | ***Success*** |
| 2 | Movie Data Structure | Medium | Inspect that movie data obeys the mandated structure | Movie data has no extra or missing fields. | Structure was fine | ***Success*** |
| 3 | Get All Movies | High | Check that API returns a list of all movies | API returns a list of movies. | Successfully populated list without error | ***Success*** |
| 4 | Get All Movies Individually | High | Check that each movie returned in test 3 is accessible individually | Each movie from the get all method is traversable. | Successfully downloaded every individual movie | ***Success*** |
| 5 | Get Non-existent ID Value | Low | Try to load a movie with a non-existent ID value | The API realizes that the ID is missing. | API returned a null object | ***Success*** |
| 6 | Get Invalid ID Data Type | Low | Try to load a movie with a string ID | The API catches this invalid case. | Request threw a web exception | ***Success*** |
| 7 | Update Movie | High | Check that a movie can be updated | Movies can be updated. | Status was OK | ***Success*** |
| 8 | Update Movie Details | High | Read a movie and store its data.  Create an updated version of this data, ensuring that it is different.  Update the movie with the new data.  Get the movie from the API and ensure that it has been updated accordingly. | Movie is updated properly. | Movie was properly updated | ***Success*** |
| 9 | Invalid Movie Update (Data Type) | High | Update movie using a string rating | Movie rating is not updated. | Request threw a web exception | ***Success*** |
| 10 | Invalid Movie Update (ID) | Medium | Try to update a non-existent ID | The API realizes that the ID is missing.  Movie is not inserted or updated. | This functioned like an upsert, not necessarily a bad thig | ***Unexpected*** |
| 11 | Update Movie ID | High | Try to change a movie’s ID using a conflicting ID | ID does not change. | Movie was overwritten | ***Failure*** |
| 12 | Delete Movie | High | Delete a random movie.  Ensure it has been deleted. | Movie is deleted. | Movie was gone | ***Success*** |
| 13 | Delete Invalid Movie | Low | Delete a non-existent movie | API realizes that the movie doesn’t exist. | No error was thrown and no movie was deleted | ***Success*** |
| 14 | Add Movie | High | Add a new movie and check that it exists properly | Movie exists with correct data. | Movie was added properly | ***Success*** |
| ~~15~~ | ~~Add Invalid Movie (ID)~~ | ~~Medium~~ | ~~Add a movie with a negative ID~~ | ~~Movie does not exist under given ID~~ | *Cancelled since negative IDs are allowed* | ***~~Cancelled~~*** |
| 16 | Add Invalid Movie (Data Structure 1) | Low | Add a movie with missing title | Movie does not exist~~: title is mandatory.~~ | Movie was added with a null title. This shows that the data type is string and the database tolerates nulls. | ***Unexpected*** |
| 16b | Add Invalid Movie (Data Structure 1b) | Low | Add a movie with missing rating | Movie does not exist: rating is mandatory. | Default rating of 0 was assigned. | ***Unexpected*** |
| 17 | Add Invalid Movie (Data Structure 2) | Low | Add a movie with excess fields | API tackles excess fields. | Movie was added without extra fields. | ***Success*** |
| 18 | Add Invalid Movie (Data Types) | Medium | Add a movie with a string ID and rating | API handles incorrect data types. | API threw a web exception | ***Success*** |
| 19 | Bulk Add | High | Add many movies at once | Movies are added. | The correct number of movies were added | ***Success*** |
| 20 | Mass Add | High | Add many movies individually and rapidly | Movies are added. | The correct number of movies were added | ***Success*** |

## Task 4

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| --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Importance | Description | Expected outcome | Actual Outcome | Status |
| 1 | Load Contact Page | High | Check that the contact page is accessible | The page is reached without error. | Page was reached | ***Success*** |
| 2 | Submit Contact Form | High | Fill out and submit a valid contact form | The form is submitted without error. | The form was submitted | ***Success*** |
| 3 | Fill Invalid Contact Form (Data Type) | Low | Check that the website does not tolerate invalid phone numbers by inserting alphabetical characters there | Text is not inputted into the field. | No text was inputted into the field | ***Success*** |
| 4 | Fill Invalid Contact Form (Mixed Data Type) | Low | Check that the website handles a mix of alphanumeric characters into a numeric field | Each movie from the get all method is traversable. | Successfully downloaded every individual movie | ***Success*** |
| 5 | Submit Empty Form (Name) | Medium | Check that the website does not tolerate empty form submissions | The web page does not submit the form. | A front-end validation error was triggered | ***Success*** |
| 6 | Correct Empty Form (Name) | High | Check that the website hides errors after the user fixes them | The error is hidden once a value is entered. | The error was hidden accordingly | ***Success*** |
| 7 | Fill Mixed Contact Form (Data Type) | Medium | Ensure that numeric fields tolerate mixed input | The field only registers numeric input. | The field only registered numeric input | ***Success*** |
| 8 | Check Mail Link | High | Confirm that the contact us mail URI is correct | The URI is <mailto:EMAIL>. | The URI was correct | ***Success*** |
| 9 | Load Save Page | High | Check that the save page is accessible | The page is reached without error. | The page was reached | ***Success*** |
| 10 | Load Mixed Funds Page | High | Check that the Mixed Funds page is accessible | The page is reached without error. | The page was reached | ***Success*** |
| 11 | Navigate Home Page | High | Check that the home nav button works | The correct page is reached. | The correct page was reached | ***Success*** |
| 12 | Navigate Home Page | High | Check that the home nav button works | The correct page is reached. | The correct page was reached | ***Success*** |
| 13 | Navigate Save Page | High | Check that the save nav button works | The correct page is reached. | The correct page was reached | ***Success*** |
| 14 | Navigate Invest Page | High | Check that the invest nav button works | The correct page is reached. | The correct page was reached | ***Success*** |
| 15 | Navigate Wealth Management Page | High | Check that the wealth management nav button works | The correct page is reached. | The correct page was reached | ***Success*** |
| 15 | Navigate Updates Page | High | Check that the updates nav button works | The correct page is reached. | The correct page was reached | ***Success*** |