# Evaluation plan & Testing plan

## Evaluation Plan

The product movie database will be evaluated against a set of standards. During development, we will endeavor to keep our product adherent to all the standards specified to ensure a high-quality product as the end result.

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| --- | --- | --- |
|  | Standard | Description |
| 1 | Accessibility | * The colors used on the webpages should be visible to colorblind users. * Elements should have proper contrast with one another. * The webpage should be navigable to users with only a keyboard input device. |
| 2 | Readability | * Body text fonts should be easily readable and simple sans-serif fonts. Navigation panel fonts should be easily readable. * Fonts should be in a color that contrasts well with its background. * Content should be laid out logically from top to bottom or left to right. |
| 3 | Usability | * Form controls should have an obvious purpose within their forms. * Form controls should give proper feedback when an incorrect value is submitted. * The navigation panel should be sensible and consist of easy to understand headings. * Content should be accessible in an intuitive way. This can mostly only be assessed by testing. |
| 4 | Aesthetics | The webpage should be pleasing to look at:   * Content should be spread out across the available space. * Fonts should be simple and pleasant colors. * The page background should be a pleasant muted color and contrast well with the text and content. * The navigation panel should complement the background and text color. * A consistent theme should be applied across all pages on the website, using the same / similar colors, fonts, graphics and layouts. |
| 5 | Performance | The webpage should be performant, external factors notwithstanding.   * Requests should complete within 1 second under controlled conditions. “Requests” referring to form submissions and page changes. |

Our final product will be evaluated against these standards. We invite the client to evaluate the website against these standards upon demonstration.

## Testing Plan

When testing, we will test the product according to these test cases.

This list of cases is not exhaustive as all requirements for the website have not been delivered at the time of writing. More test cases will be added as more requirements are added or revised.

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| --- | --- | --- | --- |
| Test Case | Expected / Desired Result | Actual Result | Evidence / Resources |
| Search for a movie by Name | Correct movies appear on results table. |  |  |
| Search for a movie using exact Date input | Correct movies appear on results table. |  |  |
| Search for a movie using before Date input | Correct movies appear on results table. |  |  |
| Search for a movie using after Date input | Correct movies appear on results table. |  |  |
| Search for a movie by Genre | Correct movies appear on results table. |  |  |
| Search for a movie by Rating | Correct movies appear on results table. |  |  |
| Add a new user to the database for newsletter correspondence. | The new user is correctly added to the database. |  |  |
| Add a new user to the database for newsflash correspondence. | The new user is correctly added to the database. |  |  |
| Attempt to add user to database with malformed email. | The new user is not added. |  |  |
| Remove a user by email on the admin page. | The user is correctly removed from the admin page. |  |  |
| Remove a non-existent user by email on the admin page. | A user is not removed from the database. |  |  |

We will use a form of black box testing to test these cases. The tester will attempt a case specified by the testing plan. If the actual result matches the expected result, they will record a screenshot of the result to the table. They will then report deviation from the expected result of each case to the programmer. This will continue until the actual result of each case matches the expected result.