Software Review Report

# Development Quality

A few appropriate measures have been taken to ensure the product developed meets the client requirements. For example:

* A test plan has been developed (Software Development Testing Plan.docx) which includes:
  + Scope
  + Roles and Responsibilities
  + Test Methodology
  + Test Deliverables
  + Testing Tools and Environment
  + Test Table
  + Exit Criteria
* A software review plan has been developed (Software Review Plan.docx) which includes a checklist of how the website should function

# Code Testing

A few tests have been conducted on the website, such as:

* PHP\_CodeSniffer
  + Checks the website for errors and warnings and fixes those errors.
  + Screenshot evidence is located in the master document (Master Document.docx)
* Performance Test
  + A performance test is conducted using Google Chrome’s Developer Tools. It checks the performance metrics of the website while running or reloading
  + Screenshot evidence is located in the performance report (Performance Report.docx)
* Unit Test
  + Unit tests has been conducted on the website according to the test table developed.
  + Screenshot evidence is located in the Software Development Testing Plan.

# Future Modification and Refinements

To ensure future modification and refinements are supported:

* The code is commented appropriately
* The documentation for the code is properly stored
* The development plans are properly documented and put into a master document
* The code is uploaded to GitHub to ensure all the developers receive the latest updates

# Mapping

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| --- | --- | --- |
| User Requirements | Implementation |  |
| Website has a front end | A front end is implemented where client can fill articles and announcements |  |
| Website has a search page | A search page is implemented with the option to search according to title, genre, rating or year |  |
| Website searches according to conditions selected | When the search button is clicked, the table displays the output according to the condition inputted |  |
| User is able to sign up to subscribe for newsletter or notifications | There is a newsletter page for users to sign up and subscribe to newsletter or notifications |  |
| Website has a profile page for users to sign in and change their subscription | In the newsletter page, there is an option for users to update their subscription details |  |
| User is able to unsubscribe as they please | In the newsletter page, there is an option for users to unsubscribe |  |
| User is able to rate the movies | In the search page, there is a column called ratings allowing users to click the stars (rating) |  |
| Website displays a graph with the top 10 rated movies | There is a page called Top 10 Movies displaying the top 10 rated movies |  |
| Graph refreshes automatically | The graph refreshes automatically every 1.5 seconds |  |
| Website has a login page for administrators | There is a page called Login for administrators to access the database |  |
| Administrators are able to add, edit and delete users | After the administrator is logged in, they can add, edit and delete the users |  |
| Administrator passwords are secured | The administrator passwords are hashed and stored in the database |  |
| Administrator passwords pass a minimum complexity test | The administrator password has to contain 8 characters including at least 1 capital and 1 number. |  |
| Website is accessible | Semantic elements are implemented for the tables and forms, however not for the ratings |  |