Software Review Plan

RAD - Project

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# Quality Control:

## Ensuring Quality of Software:

Throughout the three sprints of the project, the way our team ensured the quality of the software was through using test plans. This test plan outlined the types of testing available to use and the type of testing that was to be used to test the software. The testing that was used throughout development was the use of Test Tables. The test tables were set for the team to use as a guideline while testing the software, allowing the team to validate all inputs and find any occurrences that were out of what was expected. FOR EXAMPLE:

Table

Description automatically generated

This is used to ensure what test was conducted, the expected outcome of the test and what happened during the test. Through doing this type of testing, the team was able to find whether the software ran as intended and if anything was needed for change.

## Processes Used to Control Quality of Development Process:

Throughout each sprint, there were clear instructions on what needed to be done for the software to develop, this was done through a sprint document which outlined the tasks, and client requirements that were updated each week. The team discussed the updated client requirements and tasks each week, and split up the work accordingly to successfully finish each sprint. This allowed the team to understand what work was needed to be done and work more efficiently as a team. FOR EXAMPLE:

Graphical user interface, text, application

Description automatically generated

## Code Testing:

Throughout development, each update of the software went through a code validator, whether it was HTML or PHP, the code validator showed the team whether there were inefficiencies in the code or errors in the code. FOR EXAMPLE:

Graphical user interface, text, application, email

Description automatically generated

This shows the team whether the code is working and if changes are needed.

# Future Modifications:

The software being handed over will be able to be modified and/or refined later, as all code is commented and there are code documentations showing version control, and changes that were previously made. Development plans have been saved showing all the client requirements and what was needed to be completed throughout development

# Requirements Mapping:

All requirements set by the client have been met.   
The user requirements are listed below:

## Sprint One:

* Source Control Snapshots
* Project Management Plan Creation
* Software Development Testing Plan – Incorporated QA Standards of CITE
* Analysis Report
* Multi-Platform Report (Adaptive Vs Responsive)

### Software Requirements:

* Multi-Platform support

## Sprint Two:

* Source Control Snapshots
* Software Review Plan
* Performance Report
* Update Project Management Plan
* Update Software Testing Plan

### Software Requirements:

* Add information to home page
* Sign up page (Name and Email)
* Membership page (add new records)
* Unsubscribe page (Search email, flag record for unsub)
* Admin page (show flagged records and drop records)

## Sprint Three:

* Source Control Snapshot
* Optimisation Report
* Update Project Management Plan
* Update Software Testing Plan

### Software Requirements:

* Implement Security Interface (Password system, for acme personnel and admin)
* Analytics Options (Calculate top 10 most popular movies)

1. Update bar graph live
2. Allow user reviews
3. Calculate top 10 using user reviews

## Hand Over:

* Source Control Snapshot
* Software Review Report
* Update Project Management Plan
* Update Software Testing Plan

### Software Requirements:

* WCAG Inclusion