**Library Information System Assignment**

Liam’s Boys

Team Member 1  
Kevin Lalor

Team Member 2  
Oscar Byrne Carty

Team Member 3  
Liam Phelan

**Requirements Review**

Please complete the following tables indicating which of the mandatory requirements you have completed. In cases where there is an issue or you interpreted the requirement in a specific way, please use the comment field to clarify the issue / your interpretation. In the status column indicate whether each requirement was: COMPLETED (you did it), NOT STARTED (you didn’t do it), PARTIAL (you did part of it).

**Member Requirements Progress**

|  |  |  |  |
| --- | --- | --- | --- |
| Req. # | Title | Comment | Status |
| M0 | Member Login | It works | Completed |
| M1 | View List of Loans | Page displays past, present, and future loans, with option to reserve/renew where relevant | Completed |
| M2 | Renew Loans | Renewal is a second loan stacked on the previous. Due date is two weeks after previous return date | Completed |
| M3 | Reserve Available Artifacts | Loan is for exactly two weeks | Completed |
| M4 | Reserve On Loan Artifacts | Artifacts can be reserved/ renewed only once more if they are already out on loan | Completed |
| M5 | View Loan History | Page displays past, present, and future loans | Completed |
| M6 | Search for Artifacts | Search by title, can also be renewed/reserved from search page | Completed |
| M7 | Update Profile | Can change username and password | Completed |

**Librarian Requirements Progress**

|  |  |  |  |
| --- | --- | --- | --- |
| Req. # | Title | Comment | Status |
| L0 | Librarian Login | It works | Completed |
| L1 | Add / Remove Artifacts |  | Completed |
| L2 | Search for Members |  | Completed |
| L3 | View Members Current Loans | Through member search page | Completed |
| L4 | View Members Past Loans |  | Completed |
| L5 | Renew Loans | Through member search page | Completed |
| L6 | Reserve Artifacts |  | Completed |
| L7 | Record Loaned Artifacts |  | Completed |
| L8 | Record Returned Artifacts |  | Completed |
| L9 | Search for Artifacts | Search function similar to members, but with different options on results | Completed |
| L10 | Edit Member Profiles | Equivalent to individual member profile updates. | Completed |

**General Requirements Progress**

|  |  |  |  |
| --- | --- | --- | --- |
| Req. # | Title | Comment | Status |
| G0 | Search for Artifacts | Public search just lists catalogue, no info on loans | Completed |
| G1 | Join Library | Users can create profile to sign in as member and gain access to those features | Completed |

**Additional Requirements**

Describe any additional requirements you have completed above and beyond the spec of the project. Use as much space as you require to do this.

We have checks in place to prevent librarians from deleting references to artifacts that are still out on loan. Artifacts that have been loaned in the past but that aren’t currently can be deleted, and all references to them in members’ loan histories are removed, so they cannot try to reserve them again.

Current/Past/Future loans are dynamically calculated based on the current date, librarians only need to mark whether a book is physically in the library or not through the catalogue page.

We added an animation to our html for our main Header/Logo that loads on the home pages.

Added a button to clear your search and bring back all of the catalogue.

Summarise these requirements using the requirements table below.

|  |  |  |  |
| --- | --- | --- | --- |
| Req. # | Title | Comment | Status |
| A0 | Artifact Delete Failsafe |  | Completed |
| A1 | Animation |  | Completed |
| A2 | Clear Search |  | Completed |

**Reflections**

Please summarise your experiences on the project: what did you learn; what challenges did you have to overcome; what would you have done differently if you could have started over.

**DO NOT WRITE MORE THAN ONE PAGE**

Through this project we all learned many new skills.

We learned how to divide work and hold scrum meetings to see how everyone was getting on.

We learned how to overcome obstacles we faced by asking others for advice and using our teamwork and communication skills to learn and pass the obstacles. i.e. if someone was struggling with a part of their work, we would arrange a discord call to help that member learn and complete said part.

We all advanced our knowledge and skills over server-side programming in Java, HTML, and CSS.

We learned file management skills by making sure all our files were in the right place i.e. photos, CSS, HTML, JAVA, pom.xml, Docker files etc.

We advanced our knowledge of version control using git and GitLab, overcoming merge conflicts was a big issue for our html files and using the branch feature helped us fix this and many of our VC problems.

We learned how to edit git ignore files to accommodate multiple different IDE’s such as VS code and IntelliJ.