The Model-View-Controller (MVC) software architecture pattern was chosen for this implementation due to its relevance to this project. As one of the most frequently used web development frameworks and it is industry standard for projects similar to the one being developed. As this project is web-based and is simply used to make calls to a database and then display the relevant data, this pattern made the most sense to use.

The separation of the application into the three components (view, model and controller) allows for the visualising and separating parts of development into these clear areas, which will reduce the likelihood of code duplication and generally keep the project codebase cleaner.

This architecture was chosen over the web-based architecture, which was also suggested. This is because the project will not include any kind of application server.