**Project Plan**

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| Task | **Description** | **Estimated Date of Completion** |
| Review Code | Re-run through code and gather a more complete understand of the various modules and structures used. | *4th February* |
| Create Class Diagram of Original Code | Identify the relationships between various classes in the code. | *5th February* |
| Identify Existing Design Patterns | Review the class diagram and establish what design patterns are being followed currently. | *5th February* |
| Modify Class Diagram | Update the class diagram using more design patterns and checking for efficiency. Ensure code metrics are optimized. | *5th February* |
| Convert From Java to JavaScript | Convert the Java code to a JavaScript code. Follow the new, modified class diagram. | *12th February* |
| Test Using Test Cases | Test the code using the test cases we have already set up. | *13th February* |
| Check If Errors Were Fixed | Ensure that the errors identified in the previous version of the code are fixed. | *13th February* |
| Recheck Code Metrics | Rerun and check code metrics. Ensure they have been optimized. | *15th February* |
| Optimize if Required | If the code is not up to par based on the metrics, optimize where required. | *15th February* |
| Submit | Submit the finished code. | *15th February* |