**Project Overview:** The purpose of this project is to create a scripting application that can enable users to record their actions for automation purposes. The goal is to allow an individual to go through more repetitive actions and automate them on their pc. The objective is to allow this automation to be shared easily through Json format and therefore being available to multiple users with only one recording.

**Project Scope:** The following deliverables are the primary focus of the project.

* A working recording function for the application.
* A working playback of recorded functions.
* The ability to save and name the recorded functions in specific directory.
* The ability to pause the actions during a play of the recorded functions.
* A user interface that will package both the recording and playback functions for said recorder and end user.

**Project Timeline:** The overall timeline estimate of the project is as follows.

* Overall requirements gathering: 1 week.
* Development: 5 weeks.
* Testing: 8 weeks.
* Launch: 1 week.

**Budget:** The estimated budget for the project is $15,000. Which includes the cost of development, testing, and initial launch.

**Team Members:**

* Jeff Hale – Project Manager and Lead Designer.
* Henry Hale – Quality Assurance Manager.
* Drover Hale - Quality Assurance Assistant.

**Risk Management:** The risk to this project will hopefully remain minimal. However, we have the following plans in place to tackle any problems that might arise.

* Constant testing throughout and after the end of development to reduce bugs in the software.
* Diligence in the development and implementation of the project to ensure the upmost quality of the final product.
* Extensive research in the application functions to ensure capabilities and restrictions of the end application.

**Quality Assurance:** The following steps will be taken by the team to ensure the quality of the project.

* 8 weeks of overall testing of the project. Including testing of basic features throughout the estimated development time. Then an additional 3 weeks of intensive testing before deployment.
* The use of outside experts to test the capabilities of the software to ensure the robustness of the project’s capabilities.

**Acceptance Criteria:** The criteria for the project’s acceptance are as follows.

* The user interface allows for recording of actions on a designated program or applications.
* The user interface allows for playback of the recorded script onto the same or another computer.
* The user interface allows for saving, naming, and choosing the scripts to be recorded or played based on user actions.
* The application is devoid of major bugs or glitches that would render the above points for working in the intended manner.

**Conclusion:** This software project has a wide range of applications other than purely automation purposes. It could be used by individuals to set up specs on multiple pcs without the need to ever sit down at them. It could also be used for training setups where users are shown specific actions in front of them.