

Team No. 4

Team Members
Brandon Pramann
Brian Clark
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Project Name (1-3 words)

Macro Recorder and Interpreter

Project Synopsis (1-25 words)

This program enables a user to record actions taken in the Windows OS environment. The program converts the recorded actions to code which then can be edited and run repeatedly by our program.

Project Description (150-250 words)

Our project will enable Windows users to eliminate time spent on repetitive tasks. Our project will do the mindless work to allow humans to add value in ways more suited to humans. Although there are already some macro recorders available to Windows users, our macro recorder and interpreter will give the user the ability to edit the code that the interpreter will run as well as add some features that will make the code seem like any other programming language. One of the features that we plan to include is the ability to add flow control statements such as while loops, for loops, gotos, and ifs. The end result of our project will be a program that gives the user all the tools necessary to add the desired automation and streamlining of processes. We hope to make a product that outshines all the similar products by its ability to be both easy-to-learn and powerful.

Project Milestones (Testing will be continually done)

1. Planning. (10/31/2019)
2. Specifications finished. (11/31/2019)
3. Research (12/31/2019)
4. Program records keys typed, mouse clicks, and time; program converts macro into code that can be executed by our interpreter (2/14/2020)
5. Extra features such as the interpreter working with control flow works with the interpreter (4/1/2020)
6. Final Testing will be executed; documentation on how to use the software and on how the code works is created (5/1/2020)

Project Budget

(5) New Inspiron Small Desktop

Requested by (12/1/2019)

- Intel® Pentium® Gold Processor G5420 (4M Cache, up to 3.8 GHz)
- Windows 10 Pro 64-bit English
- Intel® UHD Graphics 610

- 4GB, 4Gx1 DDR4, 2400MHz UDIMM
- 3.5" 1TB 7200 rpm Hard Drive

Work Plan (Not hardcoded)

- Brandon will be the project lead and will help guide everyone/ help people find solutions if they are having issues.
- Saharsh will implement the time between actions and general language semantics.
- Brian will implement the recording of keystrokes.
- Sandy will implement the recording of clicks.
- Alex will perform testing.