**SRS milestone 3 - Tait & Andrew**

**Functional Requirements:**

The system shall store data from the accumulator.

The system shall accept files via a gui interface

The system shall prompt the user for input where appropriate

The system shall display memory state during program execution

The GUI should provide clear error messages for syntax errors or runtime errors encountered in UVsim programs.

The system shall display documentation or help resources within the GUI, explaining UVsim language syntax, commands, and examples.

The system shall operate on windows devices running windows11

The system shall display debugging messages

The system shall operate without internet access

The system shall have a interface for closing the program

The system shall prompt the user for additional files.

The system shall have a waiting state.

The system shall gracefully handle errors and display prompts for correct user input.

The system shall display runtime statistics.

The system shall handle Halt and terminate when the command is given

**Non-Functional Requirements**

The system shall be intuitive and easy to navigate

Easy to understand how to write the input files

The system shall operate reliable without errors.