SRS requirements:  
  
The system shall accept files via a gui interface  
The system shall prompt the user for input where appropriate  
The system shall execute commands based on file input  
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.   
  
Non functional:  
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.