**Skill Judgement**

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| **Skill Desc.** | **Novice** | **Initiate** | **Adept** | **Master** |
| **4. Write a technical description of the tasks that the software program performs (functional description) individually and as part of a team.** | Student can describe or explain the purpose for a program | Student can determine how the user is to utilize a solution that has been implemented and document a programs purpose | Student can determine how the user is to utilize a solution that has been implemented and document a programs purpose with evidence or citations | Student can determine how the user is to utilize a solution that has been implemented and document a programs purpose with evidence, citations and a justification for solution |
| **20.Write programs that use a graphical user interface to provide user interaction with a program.( i.e.:  MFC, AWT, HTML, CSS)** | Student can identify what a graphical interface | Student can explain what a graphical user interface is and how it works and design a program that solves a routine problem with a GUI | Student can explain what a graphical user interface is and how it works with evidence and design a program that solves a non routine problem with a GUI | Student can analyze a program, describe and justify the graphical user interactions |
| **23. Write programs that access external data files.** | Student can identify external data files | Student can predict or interpret what external data files can be connected and can access files for a routine problem | Student can critique the use of external data files and can access external data files for non routine problems | Student can critique the use of external data files and redesign a program so that it can access external data files for non routine problems |
| **25. Discuss and demonstrate the different file formats and structures** | Student can identify different file formats and structures | Student explain the differences between different file formats and structures | Student explain the differences between different file formats and structures with evidence | Student can analyze file formats and structures and design a program to utilize those formats/structures |
| **Grade Total for Lab:** | | | | 00 / 100 |