**CS246—Software Design and Development**

**Module #4 (Language)**

|  |  |
| --- | --- |
| **Name:** |  |
| **Teacher:** |  |
| **Section:** |  |

*It is a violation of BYU-Idaho Honor Code to post or share this document with others or to post it online. Storage into a personal and private repository (private GitHub repository, unshared Google Drive folder) is acceptable.*

PLAN SECTION (W08 Prove)

1. Select **one** Language Module (place an X in the right column) that you will implement over the next two weeks. Remember, you must not pick a language that you have already mastered either in school or on your own.

|  |  |
| --- | --- |
| **Discovery Modules** | **Selected Module** |
| C++ |  |
| C# |  |
| Java |  |
| JavaScript |  |
| Kotlin |  |
| Python |  |
| Rust |  |

1. After reading the details on the Language Module you selected, rank your interest and knowledge about this module. There are no right or wrong answers.

|  |  |
| --- | --- |
| **Question** | **Ranking—Answer 1 to 5 where**  **1 = Completely Disagree;**  **5 = Completely Agree** |
| I have always wanted to learn this programming language. |  |
| I believe I have enough experience in programming to be successful in learning how to write software in this language. |  |
| I believe I know what resources will help me out the most in my research for this module. |  |
| I would be interested in looking for a job that develops software using this language. |  |

1. Identify at least two risks that you feel will make it difficult to succeed on this module. Identify an action plan to overcome each of these risks.
2. Create a schedule for yourself to complete this module in the two weeks required. Identify the start date, milestone dates, and end dates. Milestones are specific activities that you want to complete related to research, implementation, and documentation. Milestones will vary between different people and therefore will require you to give some thought when developing your own schedule.

RESULTS SECTION (W09 Prove)

1. Provide the links to the three (3) public GitHub repositories that contain the results of your work on this module.
2. After completing this module, rank your interest and knowledge about this module. You should compare your responses from the Plan section to see what changed. There are no right or wrong answers.

|  |  |
| --- | --- |
| **Question** | **Ranking—Answer 1 to 5 where**  **1 = Completely Disagree,**  **5 = Completely Agree** |
| I would like to learn more about this language, including writing more code in my personal software portfolio. |  |
| I believe that my work in this module has prepared me to learn new things in future modules. |  |
| I believe I know what resources will help me out the most in my research for future modules. |  |
| I would be interested in looking for a job that develops software using this language. |  |

1. Describe how you overcame difficult challenges in this module. Be specific so that you can remember these lessons learned for future projects.
2. If you completed a stretch challenge, describe what you accomplished.