**CS246—Software Design and Development**

**Module #3 (Discovery)**

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

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PLAN SECTION (W06 Prove)

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

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| **Discovery Modules** | **Selected Module** |
| Android Mobile App |  |
| Data Analysis with Pandas |  |
| Cloud Databases |  |
| SQL Databases |  |
| Games |  |
| GIS Mapping |  |
| Networking |  |
| Web Apps with Django |  |
| NodeJS with Rust |  |
| Adaptive Apps with VueJS |  |

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

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| **Question** | **Ranking—Answer 1 to 5 where**  **1 = Completely Disagree,**  **5 = Completely Agree** |
| I have always wanted to write software like this module. |  |
| I believe I have enough experience programming to be successful in learning how to write the software in this module. |  |
| 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 like this module. |  |

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 will therefore require you to give some thought when developing your own schedule.

RESULTS SECTION (W07 Prove)

1. Provide the link to the public GitHub repository that contains 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.

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| **Question** | **Ranking—Answer 1 to 5 where**  **1 = Completely Disagree,**  **5 = Completely Agree** |
| I would like to learn more about this module, 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 like this module. |  |

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.