

CS361: Assignment 7: Sprint 2 Plan (for Microservice)

# Overview

Plan the microservice you’re creating for your partner. That includes defining how to **request** and **receive data** from the microservice.

# Instructions

Complete each item below by replacing the highlighted text (**Usability note**: double-click the text to select it).

1. What is your **Sprint Goal**? (e.g., fully implement the spell-checker microservice)

|  |
| --- |
| *The sprint goal will be to implement a service that will provide a total score for the quiz application my partner’s application will require. I will likely utilize the text file similar to our first project where the application can read from a file and write to a file where it will send the quiz results back to my partners application.* |

1. Define at least **2 user stories** for this Sprint and put them in your **Sprint Backlog** in your task management system. If the microservice is separate from your individual project, these are NEW user stories (otherwise, they might be from your Product Backlog).

Take a **screenshot** of the microservice user stories in your **task management system**. The screenshot should show the **“As a” format** for each story.

|  |
| --- |
|  |

Optionally, define acceptance criteria for the user stories (in a real-world project, you *should* do this, but I’m giving you a break from it this Sprint).

1. Since the Sprint Goal might not fully communicate it, describe **what the microservice will do**.

|  |
| --- |
| *The microservice that I will be creating for my partner will provide the correct answers to the quiz based off of the user’s general responses. The plan would be to receive the incoming query results from the user as they go through the quiz and depending on if the answers are incorrect, it will provide the user with the correct answer once the question has been completed.* |

1. What kind of **communication pipe** will the microservice use? (e.g., text files, REST API)

|  |
| --- |
| *Communication pipe will likely utilize a text file that will read the requested item followed by writing into a new file that the recipe app can read to produce the requested results from that microservice.* |

1. How will others **request data** from the microservice? If possible, give an example call.

|  |
| --- |
| *As the user goes through the quiz, the application will be sending the data via text file responses to the microservice. The microservice will compare the answer that the user has selected with the supposed correct answer for the question it has asked the user.* |

1. How will others **receive data** from the microservice?

|  |
| --- |
| *Once the data request was received by the user for each question, the answer from that question will be compared with the original questions answer. If the answer does match, it will send a simple “correct” response to the user before going on to the next question. If the answer does not match, the microservice will send the correct answer back to the student.* |

1. What is your **partner’s individual project**?

|  |
| --- |
| *My partner will be working on a command line interface program to create a simple quiz program. As a user, they can take a quiz where they are able to select the difficulty rating from beginner, intermediate, advanced that quizzes a person on some Japanese words.* |

1. How will the microservice **fit into your partner’s individual project**?

|  |
| --- |
| *The goal for my microservice will be to take the results from my partners application where the microservice will add up all of the correct scores based off of the quiz response and send the total score back to the application.* |

1. What microservice is your **partner implementing** (for you)?

|  |
| --- |
| *My partner will be implementing a microservice that will allow a user to search for “star ratings” based on recipe reviews.* |

1. How will the microservice your partner is making **fit into your individual project**?

|  |
| --- |
| *They will be creating the random recipe microservice that can fetch a recipe from an API from one of the sources that provide free recipes and send those results back to my program.* |

# Submission

PDF or Word format via Canvas.

**You must follow instructions at Modules > “Attach a Document to "Text Entry" Field”.**

# Grading

You are responsible for satisfying all criteria listed in the Canvas rubric for this assignment. You will be able to revise this assignment if you miss points.

# Questions?

Please ask via Ed so that others can benefit from the answer.