

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)

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| *This sprint goal is to fully implement all of the API interaction and data storage.* |

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.

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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**.

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| *The microservice will be a random number generator and a random rover select program. The random number will be equal to a Martian Sol that will be used to make a query to the rover API. It will also return back a random rover and camera that will be used for query.* |

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

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| *The microservice is going to use ZeroMQ for communication.* |

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

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

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| *DetailedDescription* |

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

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| --- |
| *BriefDescription* |

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

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| --- |
| *OneOrMoreSentences* |

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

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| --- |
| *BriefDescription* |

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

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| *OneOrMoreSentences* |

# 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.