



CS361: Assignment 8: Integration Plan

This Sprint could go smoothly, or it could be miserable and stressful for both you and your partner! The purposes of this assignment are to (1) plan the Sprint and (2) mitigate for contingencies: This integration plan is also a **mitigation plan**.

Note: You will be sharing this document with your partner.

Part 1 (of 2): Sprint Plan

First, what are you trying to accomplish this Sprint? It'll help both you and your partner to know! In addition to getting your individual project to use the microservice your partner made, you need to complete Milestone #3: Portfolio.

Requirements for Milestone #3:

- Uses **microservice** created by partner
- Is free of all 11 **code smells** from the textbook
- Reflects all eight **CSH**
- Reflects the **quality attributes** you chose
- Has at least **two additional features** beyond Milestone #1 (not including using your partner's microservice)

1. What is your **Sprint 3 Goal**?

Integrating microservice created by partner to my individual project, and removing code smells in my project.

2. Provide at least **three user stories**: At least one related to using your partner's microservice, and at least two for additional features. If appropriate, you can select these from your Product Backlog (but you don't have to).

Requirements for user stories:

- At least **three** total
- At least one related to using microservice created by partner
- At least two for additional features (not related to using partner's microservice)

- Each has a **name**
- Each uses the “**As a... I want to... so that...**” format (see textbook)

	Name (e.g., “Login”)	As a... I want to... so that... format
1	Ann	<i>As a user, I want to have nice error pages when I upload the wrong file on the program so that I can trust the system and its developers.</i>
2	Ben	<i>As a developer, I want to integrate my partner’s microservice so that my software can provide FTP server links to the user.</i>
3	Charlie	<i>As a user, I want to have the application respond quickly to my actions so that I don't get bored and know what is going on with the program.</i>

3. What **quality attributes** will Milestone #3 reflect, besides **maintainability** and **usability** (those two are already covered by code smells and CSH evaluation)? You need **at least one** besides those. How will you know you’ve succeeded in reflecting the quality attribute? Write a general **non-functional requirement** that applies to your whole project.

Quality attribute	Non-functional requirement (any format, but must be measurable)
maintainability	100% of my code has 0 of the 11 code smells.
usability	Each of the 8 CSH is reflected in at least 1 way.
<i>Credibility</i>	<i>The program rarely makes errors which require restart or reinstall.</i>

Feel free to add your user stories to your task management system, along with DoD’s, but you’re not required to provide evidence that you did that.

Part 2 (of 2): Integration Mitigation Plan

Next, de-risk integration by providing your partner the information below and by planning for failure.

1. What is the **current status** of the microservice you implemented? Hopefully, it’s done!

<i>The current status of the microservice I implemented is done.</i>
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2. If the microservice isn't done, **which parts aren't done and when will they be done?**

Currently the microservice is done. However, if my partner asks me to do some updates in the microservice, I will update what my partner asked.

3. Where can your partner find **instructions for using your microservice**? You should have created these instructions as part of a previous assignment

<https://github.com/rlaguswo/CS361-Assignment7-MLS-player-Microservice/blob/main/README.md>

4. **How** is your partner going to **access your microservice**? Should they get your code from GitHub? Should they run your code locally? Is your microservice hosted somewhere? Etc.

My partner should get my code from GitHub which is in public, and run my codes locally.

5. Have you confirmed that you **can successfully call YOUR PARTNER'S microservice**? If not, do so. By when will you do that?

Currently, I have not confirmed that I can successfully call my partner's microservice. By 08/02/2022, I will confirm that I can successfully call my partner's microservice.

6. If your partner **cannot access/call YOUR microservice, what should they do**? Can you be available to help them? What's your availability?

If my partner cannot access/call my microservice, they should email me or send me a discord message. I am available to help my partner by having a zoom meeting.

7. If your partner **cannot access/call your microservice, by when do they need to tell you?**

If my partner cannot access/call my microservice, my partner needs to tell me right after he/she finds that my microservice is not working.

8. Is there **anything else your partner needs to know**? Anything you're worried about? Any assumptions you're making? Any other mitigations / backup plans you want to mention or want to discuss with your partner?

Currently there is nothing my partner needs to know. However, if my partner tells me something they want to know, then I will happily answer my partner's question.

Submission

PDF or Word format via Canvas.

Grading

You are responsible for satisfying all criteria listed in the Canvas rubric for this assignment.

You will be NOT able to revise this assignment (not enough time before end of term).

Questions?

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