Exercise: DevOps Planning & Research

You are starting as a Junior DevOps in a IT Company. You get assigned to a new Project that develops software solutions for Banking systems. Currently, you are single devoted DevOps engineer on that project with mixed team members (Devs, QA, PM’s etc). Before the Kick-off of the Project, you are given the task to plan and research the best practices for the project.

1. Explain what steps you are taking for planning and research?

I would start with gathering all the information that we have for this project from the client (how they worked before and what needs to be changed or upgraded), discuss ideas with the team members because It’s important that everyone can share ideas, strategies, goals and requirements.  
After I collect all the information I write down notes or diagrams on how the project will develop and which tools are appropriate. After I am finished with the research I will share the plan with the team members to get their final opinion.

1. How would you describe the process for DevOps best practices to your colleagues?

The process of DevOps encourages smoother continuous communication, collaboration,

Integration, visibility and transparency between the teams.

1. How would you organize your time for planning and research?

After I make sure I understand the project I like to break down the task into smaller manageable pieces.

I organize my time by setting a daily schedule with the goals and priorities, that way I can have a timeline and stay on track with my productivity. I like to complete my tasks early enough to have some time left for a final review.

1. What methods and tools are you using during this process?

In the Discover phase Tools like Mural and Miro can be used to gather ideas and conduct research, Jira can help us with planning, issue tracking, and collaboration. For development and building infrastructure we can use kubernetes or Docker and Aws or Jenkins for continuous delivery. The testing and monitoring phase should be done continuously with collecting feedback all the time.

1. Describe the short (imagined) presentation of your research and planning, for your team briefly:

While doing a research for this project I noticed few things that we were missing and will make the progress faster, this way we can shorten the time span and resources.

As someone who is familiar with the topic of this project I can propose the tolls that can be used most efficiently…