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.

<u>I have to inform you that this .docx file has changes and updates, I believe that I have managed to improve my answers compered to those that were sent to you on email. Hope that is okay with you.</u>

1. Explain what steps you are taking for planning and research?
   I would take this first step with great precaution and extra carefully, since I am just starting out, I imagine that extra effort is needed from my end. As mentioned on the lectures, bad planning and shallow research, costs time and money down the line.
   Steps that I would take are:
   Learn more about the banking industry, banking systems that are used, discover systems that were developed by competitors. Learn more about our teams strengths and weaknesses, try to find a way to make our product unique and somehow better than those that are offered by the competition.
   Answers gathered with the help of the labs:
   To start of figure out the scope, discuss things, workflow, daily meetings, documentation, security, client discussions, requirements.

2. How would you describe the process for DevOps best practices to your colleagues?
   I would start off by mentioning that my position and job is to save time, money and everyones nerves during the planning stages, that I am there to manage the well being of the customer and their needs, as well as my teams. Would definitely recommend going with the the agile approach, not the traditional waterfall method. And that the whole point is to gather everyones strengths in the team, to deliver a top-notch product. So everyone can recognize and be proud of their contribution.

3. How would you organize your time for planning and research?
   At first I would base my research on google and materials that I can find on the web, use most of it to create my basic knowledge about the industry and the needed product. Form precise questions, and unclear things that would later on be discussed and cleared by the client, so a complete and adequate product can be delivered.
   Focus on tasks, priority, time estimations, benchmarks.

4. What methods and tools are you using during this process?
   I would start of with the agile method, plan out all the steps and processes needed to be completed, for a working product can be delivered. Discover and work on the team members responsibilities and tasks needed for it to be completed. Sort out all the microservices that can be put to use and that would find their place in this product.
   Gant charts, Jira, Teams, research, stackoverflow.

5. Describe the short (imagined) presentation of your research and planning, for your team briefly:
   Would not over complicate things, would use Visio or Paint for starters, as mentioned during the lecture. Make use of arrows:)). The main point is to have everyone on the same page, and be aware of the clients needs and wants, and give our touch on those, so they can be complete and useful.
   For the presentation, I guess that I would like the team to be present, in a small presentation room of sorts, so everyone can pitch in, give their advice and take over if needed.