Reflection

Group Members

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What was helpful for the development of the software?

Software development aspects helpful for this project:

Requirement Engineering (Slides 48, 50, 51 - Requirements prioritization and scope analysis):

It was quite helpful to understand that we have the ability and the obligation to analyze and redesign the requirements of the project that we received it makes our task easier and completable. We don't have to follow the client's requirements word by word because, in the end, even the clients don't always know what they are looking for. It is part of our task to guide them in order to solve the problem in an adequate way. We had to prioritize feature developments and improvements and re design some of the functional and non functional requirements, without this tool it would be pretty challenging try to solve all the requirements without making changes.

Representing the requirements presentation (Slide 27, 29 – User stories):

Even if we did not use the formality needed for creating proper user stories and we did not us a writing document for this, each meeting of our group was led by discussions of a set of requirements needed to accomplish the task. These were discussed using the "user stories representations of the requirements" methodology in each phase. Without this framework of communication would be harder that it was, trying to communicate the requirements without a good framework to communicate, would lead us to subconscious disambiguation and subconscious ambiguity.

What Software development aspects were missing?

Requirement Engineering:

Due to the lack of experience in the groups, the requirements phase was poorly executed, specifically in the analysis, validation, and management steps. Most of the groups failed to adequately scope the risks, measure the effort needed to perform the tasks, and calculate the necessary capabilities. This problem is common in some projects, including the one we received for this task.

Implementation:

The code was poorly commented, making it hard to understand and follow the work flow. Proper documentation and code comments are crucial for maintaining and improving the software, and this was a significant challenge in the project.