According to Boni García, the author of your textbook, *Mastering Software Testing with JUnit 5*, "A requirement is everything that [is] true about the software, in order to meet the consumer's expectations" (2017). For this discussion, we will explore the importance of requirements and your experience with them.

In your initial post, address the following:

* Why are requirements important?
* Which stage do you feel is most important in regard to requirements (requirement elicitation, analysis, design, implementation)? Explain.
* What is your experience level working with consumers' requirements?
  + If you have experience, describe any obstacles you have run into or any positive experiences you have had.
  + If you do not have experience, what are some questions you may have for your peers in order to effectively understand a consumer's requirements?

In response to at least two peers, provide any additional ways that requirements may be important or why a certain stage may be important. If you do have experience working with a consumer's requirements, try to answer any questions from peers and provide insight for those who may not have experience.

**References**

García, Boni. (2017). *Mastering software testing with JUnit 5*. Packt Publishing.

Under the importance of the requirements section, we go over a breakdown of why breakdowns are important. Requirements are key to a software project’s success. They align to user needs from their development goals, reduction of misunderstandings, rework, & wasted resources. When you design a project, it’s important to keep clear requirements keep the project focused on the delivery of the project that meets expectations. Without adherence to them, projects run the risk of losing focus & missing goals.

Requirements are reiterated in the most critical phases of planning, as it lays out the design for what the user really needs. Errors here can lead to issues in the software’s design, development, & testing. Effective iterations involve different methods such as user interviews, workshops, & user stories to uncover both the clear & hidden needs.

I don’t have any experience with UX/UI design, but I’m sure that it has its own challenges. As a free-lance developer, I would assume challenges from unclear needs, conflicting priorities, & scope of work creep. Asking the correct questions to uncover user needs, resolving conflicts through workshops & collaborations between different freelance designers. Also, documentation is very important, as you need to keep track of each update, potential changes, notes of discoveries or errors, & validation requirements.

In the end, having strong requirement-gathering skills are crucial for successful software projects.

Evening Khris, this week is moving fast. Hope you got some better weather then Texas right now.

In your posts, you highlighted a key issue, dealing with vague or shifting requirements, while having focused on open communication & through documentation.

Certain situations where the consumers are uncertain about their needs, one way to approach it is to use prototypes, or a mockup. These visual representations can help consumers better articulate or put a vision of what they are not fully explaining with their requests. On your other point, I’m looking at the experience you have with consumer requirements. Assuming shareholders are in the mix. Perhaps a traceable matrix, or map for them to follow. It can help map out requirements & purposes, which can help clarify which points would take top priority. Additionally, review sessions would allow all collaborate to align on key deliverables.

Maintaining flexibility without jeopardizing progress can be achieved through AGILE methodologies. By breaking down into small sprints can help control the flow of the development and can assists teams to completion.

Evening Jisang, how’s the week going?

I’d have to say I agree with your take on essentials for a project’s success. They can be viewed as a roadmap for the team, ensuring that the software is built to address the end user’s needs & expectations. Without clear requirements, there’s a significant risk of developing a product that fails to achieve its intended purpose or satisfy stakeholders.

When it comes to gathering accurate & comprehensive information early on helps ensure that all stakeholders have a shared understanding of what the projects aims to accomplish. We can’t skip out on the requirement elicitation, as neglecting or mishandling, it can lead to misunderstandings, misaligned expectations, & pricy situations later.

It sounds like you’ve faced challenges with ambiguous or shifting requirements. One effective approach to addressing this is to establish a process for regularly revisiting, refining, and confirming requirements as the project progresses. This should help ensure they remain relevant and achievable.