**Standard Software Systems Development Questions**

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**Explanation**

Software engineering plays a crucial role in clearly eliciting, articulating, and managing requirements. This process ensures that the development team fully understands the customer's needs and expectations before diving into development. When addressing the term "any desired functionality," it’s important to recognize that functionality is derived directly from well-documented requirements. For example, if a customer requests a mobile app for online shopping, eliciting requirements would involve asking targeted questions: "What features should the app have?" or "What is the expected user experience?" These questions guide the development team in articulating and managing what needs to be built.

**Challenges in Software Development:** Software development often faces significant hurdles, such as:

1. **Requirement Ambiguity:** Customers may not clearly articulate what they want, leading to misinterpretations.
2. **Changing Needs:** As the project progresses, customers might discover additional requirements, which can disrupt schedules.
3. **Complexity in Communication:** Ensuring all stakeholders are aligned can be difficult, especially in distributed teams.

To address these, it is essential to establish robust communication channels, conduct iterative reviews, and implement practices such as requirement traceability

**References**

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