Unit VII

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The Process of Requirements Use-Case Modeling :

- The objective of constructing the requirements use-case model is to elicit and analyze enough requirements information to prepare a model that communicate what is required from a user perspective but is free of specific details about how the system will be built and implemented.

- Following this approach will later produce a design that is more robust and less likely to be impacted by change.

- The steps required to produce this model are as follows:
  - Identify The Business Actors
  - Identify Business Requirements Use Cases
  - Construct Use Case Model Diagram
  - Document Business Requirements Use Case Narratives

Identify The Business Actors

- By focusing on the actors. we can concentrate on how the system will be used and not how it will be built Focusing on the actors helps to refine and further define the scope and boundaries of the system

- Actors also determine the completeness of the system requirements. A benefit of identifying actors first is that doing so identifies candidates we can later interview and observe to complete the use-case modeling effort. Plus, those same individuals can be used to verify and validate the use cases when they are finished,

Identify Business Requirements Use Cases

- A typical information system may consist of dozens of use cases. During requirements analysis we strive to identify and document only the most critical, complex, and important ones, often referred to as essential use cases because of time and cost considerations.

- A business requirements use case captures the interactions with the user in a manner that is free of technology and implementation details. Since a use case describes how a real-world actor interacts with the system. an excellent technique for finding business requirements use cases is to examine actors and how they will use the system.

Construct Use Case Model Diagram

- Once the use cases and actors have been identified, a use case model diagram can be used to graphically depict the system scope and boundaries.

Document Business Requirements Use Case Narratives

- While preparing the narratives, it is wise to first document them at a high level to quickly obtain an understanding of the events and magnitude of the system. Then return to each use case and expand it to a fully documented business requirement narrative.