

Quiz #3

1- Define Architectural drivers.

- Architectural drivers drive and shape the architecture. These drivers include a design purpose, quality attributes, primary functionality, architectural concerns, and constraints. The drivers are critical for the success of the system.

2- How does the primary functionality influence the overall functioning of the system?

- Primary functionality is the functionality that is critical to achieve the business goals that motivate the development of the system. It manages to influence the overall system is that it implies a high level of technical difficulty. It requires the interaction of many architectural elements; also, it promotes modifiability and reusability.

3- Explain the techniques used to specify and prioritize quality attributes.

- The best way to specify and prioritize quality attributes is by using a set of scenarios. By using a set of scenarios an architect would save more time on multiple tasks such as defining terms and would be able to pair a stimulus with a response for his/her project.

4- What are the types of Architectural concerns?

- **General concerns:** These are “broad” issues that one deals with in creating the architecture.
- **Specific concerns:** These are more detailed system-internal issues such as exception management, dependency management, configuration, logging, authentication, authorization, caching, and so forth that are common across large numbers of applications
- **Internal requirements:** These requirements are usually not specified explicitly in traditional requirement documents, as customers usually seldom express them.
- **Issues:** These result from analysis activities, such as a design review.

5- Give examples of technical and business constraints.

- A technical constraint is the use of open source technologies; however, a business constraint is that the system must obey the Sarbanes-Oxley Act that is must be delivered by December 15.