

Exercise

■ Identify 3 QAs for each system

	Avail	Security	Perf	Inter	Mod	Test	Use
Enterprise inventory control							
Smart phone map app							
Video game							
Social network site							

■ Specify the most important QA for each system using scenario

Identify 3 QAs for each system.

- Enterprise inventory control: Availability, Security, Scalability
- Smart phone map app: Availability, Performance, Usability
- Video game: Performance, Testability, Usability
- Social network site: Availability, Security, Performance

Specify the most important QA for each system using a scenario.

- Enterprise inventory control

Scalability: Inventory must be able to scale with the business and anticipate future needs. The software's scalability must be able to increase as the company grows.

Source: Programmer

Stimulus: Add function

Artifact: system

Environment: at Writing the code

Response: Features added

Response Measure: The function can be successfully added

b. Smartphone map app

Availability: The application should be readily available with the most efficient functionality.

Source: Users

Stimulus: navigation

Artifact: system

Environment: at runtime

Response: destination reached

Response Measure: The navigation function can be used at any time.

c. Video game

Performance: Video game performance is very important. This is because the response time must be fast. The interactivity of a video game is the means of entertainment. If the user's movements and the performance of the game character are low, then the user's gaming experience will be very poor.

Source: gamer

Stimulus: Interact with the game content.

Artifact: system

Environment: at runtime

Response: the game works well

Response Measure: Within 2 seconds of interact

d. Social network site

Security: Security is paramount in the social media of the modern web, and the leakage of personal information can lead to serious consequences. Protecting user information and data is one of the mandatory lessons in social media.

Source: users

Stimulus: modify password

Artifact: database

Environment: under normal operations

Response: prevent data leakage

Response Measure: modified password successfully within 30 seconds