Part I. Write examples for each Software Quality Characteristic

Functionality

Your example: Clicking the [Add to cart] button should add the product to the shopping cart.
Clicking the "Remove from the cart" button should remove the product from the shopping cart.

Reliability

Your example: The user can add 999 products to the cart.
1000 Users can play the game in parallel.

Usability

Your example: The "Add to cart" button size is suitable for clicking.
Users can understand the products on the banner.

Efficiency

Your example: The product should be added to the shopping cart in 2 seconds.
The page should be reloaded in 2 seconds.

Maintainability

Your example: The bug will be detected in 30 minutes.
The new fix version will deployed in 2 days.

Portability

Your example: Transferring the files on another computer of basically the same architecture.
Transferring the files which is well functioned on Windows 8 to another computer with Windows 10.

Part II. Describe, how you would test one item from the list below

Item: *Pencil*

Characteristics:

- Functionality: Draw something with a pencil.
- Reliability: Step on a pencil and check if it breaks.
- Usability:Check whether it fits comfortably in the hand.
- Efficiency: Draw 200 flowers with a pencil faster than with a pen.
- Maintainability: Sharpen the pencil if it breaks.
- Portability: Draw something on A4 and then in a notebook.