Validation Stage :

When We focusing on applying requirements validation techniques to a web development project

Applying Requirements Validation Techniques to a Web Development Project

Understanding Requirements Validation As Follwing :

1- Requirements Review: A systematic manual analysis of the requirements.

2- Prototyping: Using an executable model of the system to check requirements.

3- Test Case Generation: Developing tests for requirements to check testability.

4- Security :Make Sure CIA is implemented in project .

5- Paid Ways : Make Sure all paid ways was enhanced by store .

6-Accissabilty : All user can access specific data and had a specific rights in system.

7-Efficiency :where a web site can work even if thousinds of user entered at the same time.

Applying These 7 Techniques to a Web Development Project :

1. Requirements Review:

\* Form a review team: Include representatives from development, design, and the client.

\* Use checklists: Create checklists to ensure all aspects are covered (clarity, completeness, consistency, feasibility, priority).

\* Hold regular meetings: Conduct frequent meetings to review requirements and document findings.

2. Prototyping:

\* Create UI prototypes: Use tools like Figma or Adobe XD to create interactive prototypes for user feedback.

\* Create workflow prototypes: Use tools like Lucidchart or Draw.io to visualize page flows.

\* Test prototypes: Conduct user testing to gather feedback on usability and design effectiveness.

3. Test Case Generation:

\* Create test cases for each requirement: Write detailed test cases covering all scenarios.

\* Use test management tools: Employ tools like TestRail or Jira to organize and manage test cases.

\* Automate tests: Automate repetitive tests using tools like Selenium or Cypress.

4- Security

Make Sure CIA is implemented in project who means no one can access project and access for specific people who called him admins , and no one can delete or modify any kind of data without rights.

5- Paid Ways

Make Sure all paid ways was enhanced by store as Cridt Card by all tayps as Bank El Ahly , Qatar Bank , Bank Masr …… , this make esire to use store .

6-Accissabilty

All user can access specific data and had a specific rights in system as we can say user to create account and access all rights who need in store and make sure user can select any data at any time , admins to add and delete users and modify data and access database and other rights .

7-Efficiency

Make sure a web site can work even if thousinds of user entered at the same time and all user cant find any problem when he access it at any time .

Example Test Cases for a Website:

\* Registration: Verify successful registration with correct information.

\* Login: Ensure successful login with valid credentials.

\* Search: Check if the search function works correctly and displays expected results.

\* Purchase: Verify the entire purchase process, from adding items to the cart to order confirmation.

Readiness for Delivery

To successfully deliver a web development project, ensure:

\* Full compliance with requirements: The website meets all specified requirements.

\* High quality: The website is error-free and user-friendly.

\* Good performance: The website loads quickly and efficiently.

\* Security: The website is protected from cyberattacks.

\* Efficiency: when using the website.

\* Comprehensive documentation: All development stages are well-documented.

Important Notes In This Stage :

\* Iteration: Continuously review and validate requirements throughout development.

\* Adaptability: Be ready to adjust to changing requirements.

\* Collaboration: Foster close collaboration among all stakeholders.

By following these guidelines, you can ensure that your web development project meets all requirements and achieves its goals.

