

Project Type:

The project aligns with Web Application Development, as it involves creating an internet-based application for users to view and update food prices, along with complaint filing and district-specific data.

Adaptation Criteria Analysis:

1. Size of Project:

- The estimated effort will likely be 4 person-4 months since it involves multiple features like admin and user login, database for 64 districts, real-time updates, and an e-commerce aspect.

2. Number of Potential Users:

- This website caters to a specific target group within Bangladesh initially but has scalability for more.

3. Mission Criticality:

- Critical but workaround exists since delays or unavailability might inconvenience users but won't halt the overall mission (e.g., food price updates).

4. Application Longevity:

- The project is expected to be active for over 10 years, considering its utility and significance for users.

5. Stability of Requirements:

- Moderately complex requirements will require ongoing negotiation and adaptation as the application evolves.

6. Ease of Customer-Developer Communication:

- Likely moderate to challenging, especially if end-user feedback is a critical part of development.

7. Maturity of Technology:

- Well understood and mature technologies such as PHP,CSS, Bootstrap, JavaScript, backend technologies (PHP), and databases like MySQL will likely be used.

8. Performance Constraints:

- Important but not extreme performance demands, as the application needs to handle district-level database queries efficiently.

9. Embedded/Non-Embedded Characteristics:

- The project is a stand-alone web application within a conventional computing environment.

10. Project Staffing:

- Internal staff with high competency and experience, possibly supported by contractors for specialized tasks (e.g., security).

11. Interoperability:

- The system will communicate with external file structures/databases for storing food prices and updates.

12. Reengineering Factors:

- No reengineering involved as the project is being developed from scratch.