#### **Software Development Life Cycle (SDLC) for Interactive Quiz Application**

#### **Testing (Ensuring the Project Works Correctly)**

Testing ensures Interactive Quiz Application is functional, reliable, and user-friendly across various scenarios.

* **Types of Testing**:
  + **Unit Testing**: Verify individual components (e.g., question display loads correctly, answer selection registers input, score tracking updates accurately
  + **Cross-Browser Testing**: Test compatibility on Chrome, Firefox, Safari, and Edge.
  + **Mobile Responsiveness Testing**: Check layout and functionality on mobile devices (e.g., iPhone, Android).
  + **User Testing**: Gather feedback from peers or potential users on usability and design.
* **Issue Tracking**: Log bugs or issues in GitHub Issues (e.g., "Score not updating after answer selection") and resolve them before deployment

This phase guarantees Interactive Quiz Application performs as intended under diverse conditions.