**Software Development Life Cycle (SDLC) for Blog Page Website**

**5. Testing (Ensuring the Project Works Correctly)**

Testing ensures the blog application is functional, secure, and user-friendly across different scenarios.

**Types of Testing:**

* **Unit Testing:** Verify individual components such as user authentication, blog post creation etc.
* **Integration Testing:** Ensure database queries, authentication, and blog post interactions work seamlessly together.
* **Cross-Browser Testing:** Test the application’s compatibility on Chrome, Firefox, Safari, and Edge.
* **Mobile Responsiveness Testing:** Check layout and functionality on various devices, ensuring an optimal user experience.
* **User Testing:** Gather feedback from users to identify usability issues and improve navigation, design, and performance.

**Issue Tracking:**

* Log and track bugs or feature requests using GitHub Issues.
* Assign issues to team members and resolve them before the final deployment.

This phase ensures the blog application operates correctly across different conditions and meets user expectations.