

0.1 Testing Methodologies and Execution

Before initiating any test, a conscientious effort is invested in clearly defining the expected behavior of the system based on the specified requirements in the problem formulation. This not only serves as a guide for testers but also establishes a benchmark against which the actual outcomes can be measured. The clarity of anticipated behavior lays the foundation for a comprehensive testing strategy, ensuring that each test case aligns with the project's objectives.

Our testing process follows carefully designed protocols, encompassing each test case with pre-defined pre-requirements, procedural steps, and expected behavior. The systematic execution hinges on fulfilling these requirements and adhering to outlined procedures. Success is contingent upon achieving the expected behavior, validating that the system operates according to established criteria. Conversely, deviations or procedural missteps result in an unsuccessful test, prompting a reevaluation of the system's functionality. This thorough approach ensures a comprehensive examination of the system's integrity and functionality.