



51131

Muhammad Sajid Farooq

33. MODEL BASED WEB APPLICATION BACKEND TESTING USING REQUIREMENT SPECIFICATION TABLE

Abstract

Web application testing is knowledge driven and labor intensive activity, which required tools and techniques to simplify the testing task. Web application backend testing becomes inefficient and complex due to the unavailability of a Model based automated technique. In this paper, a Model based automated technique is proposed based on Requirement Specification Table (RST) that will make Web application backend testing efficient and simple.

Requirement Specification Table holds the Test data with the expected functional requirements of under test Web application that can use later as a template for testing and provide supports to Tester for testing task. RST also holds the result of testing in Verdict column. Prototype software based on RST was implemented in Microsoft Visual FoxPro that can automate the process of Web application backend Testing and significantly reduced testing time and provide simple and efficient way of creating, storing and executing Test cases.