CodedUI Automation To Test Web Applications

Type 2

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We were planning to develop two different web applications Online Library management system and bank management system. After developing web applications, we will perform automation testing on web applications. We will generate the test results. We will perform automation testing using Coded UI and Visual Studio Enterprise. Automated tests that drive your application through its user interface (UI) are known as Coded UI tests(CUITs). CUIT can be either executed with Visual Studio or by using Microsoft Test Manager(MTM). These tests include functional testing of the UI controls. They let you verify that the whole application, including its user interface, is functioning correctly. CodedUI Tests are particularly useful where there is validation or other logic in the user interface, for example in a web page. We can perform manual and coded UI testing. They are also frequently used to automate an existing manual test. The supported configurations and platforms for coded UI tests for Visual Studio are Windows 7, Windows Server 2008 R2, Windows 8, Windows 10, 32-bit/ 64-bit support, x86 and x64 Architecture, .NET 2.0, 3.0, 3.5, 4, 4.5. CodedUI supports testing of almost all applications. CodedUI supports only C# & VB.NET programming languages.

Coded UI is used widely for automation testing of User Interfaces. This is the reason why we choose Coded UI as our project.

We will be implementing this project in three phases:

Phase 1: Getting familiar with different tools in the field of Automation Testing.

Phase 2: Learning to do perform Coded UI tests and developing the web applications (Online Library management system and bank management system).

Phase 3: Using UI automation to test web applications.