

Test Automation of Urology Application

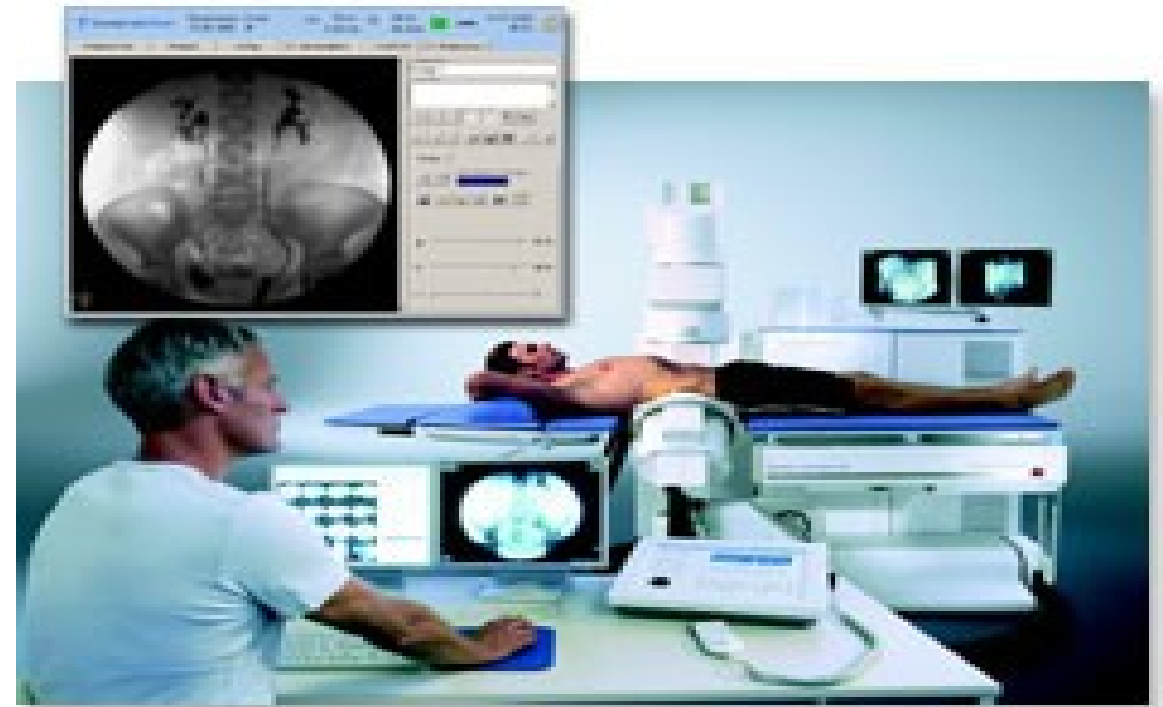
Project Background

Imaging workstation interacts with X-ray generator to process the X-ray data and provide the images to a PC application UIMS (Urology Information Management System). UIMS is intended to process the images and maintain patient database along with configuring the x-ray generator.

Scope of Testing

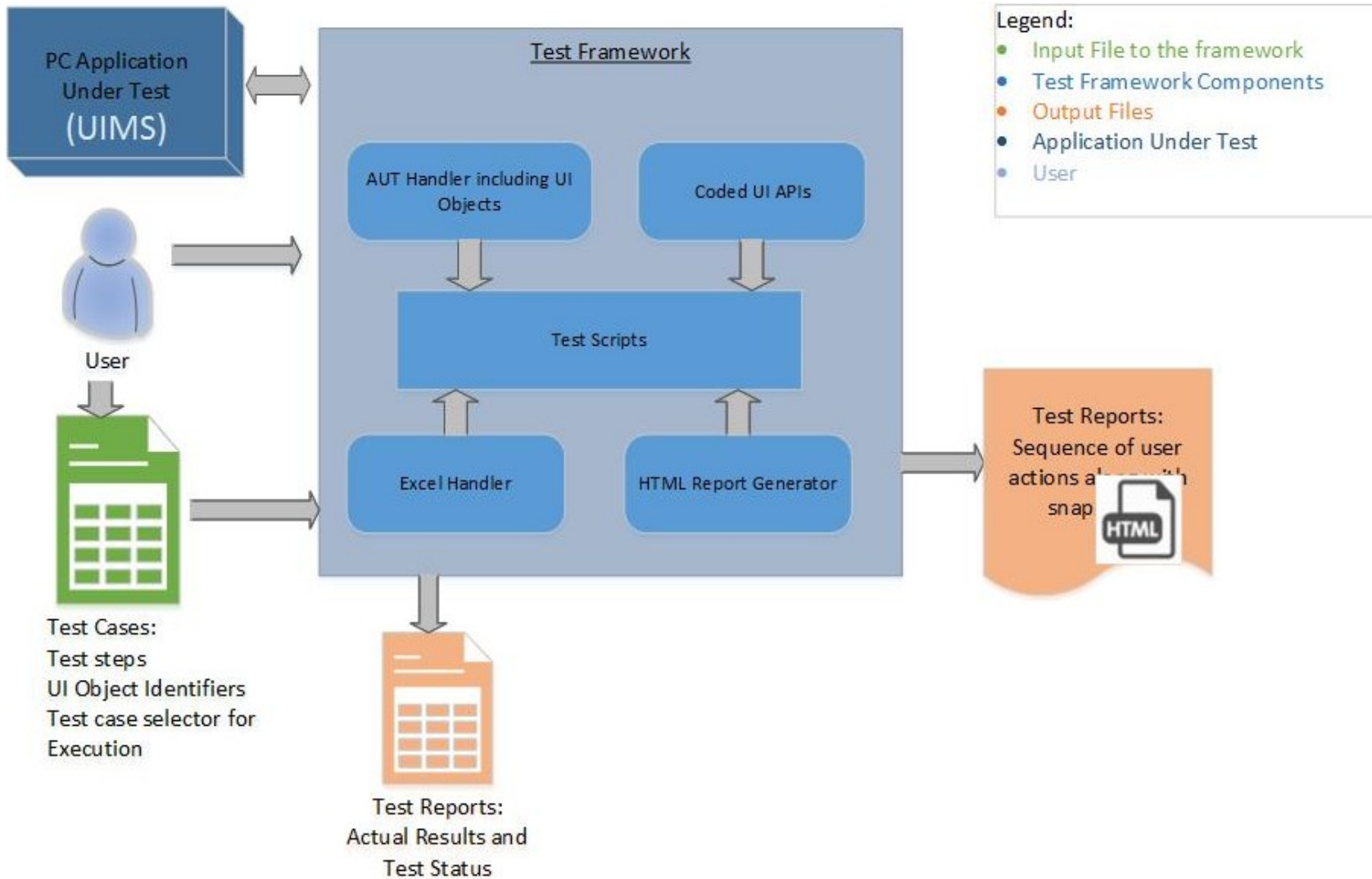
Project deals with development of UIMS test automation framework. Test Automation to include following features :

- UIMS login authentication
- Patient database management – entry/delete, search, print, export, patient history.
- X-ray generator configuration for operating modes/functions : Pulsed fluoroscopy, Continuous fluoroscopy, Radiography etc.
- UIMS user interface actions
- UIMS Report generation



Urology Application Test Automation

MS Visual studio based UIMS test framework utilizing Coded UI framework for test automation. Test scripts in C# language with excel based test configuration & test results. Detailed html test reports using Coded UI API.



Highlights & Benefits

- Avoiding manual errors resulting during frequent message/symbol comparisons
- Increased speed of test execution
- Object properties based navigation, increasing test accuracy
- Reusable test scripts for similar test steps
- Automated test report generation with Test step-wise AUT screenshots