Md Rezaul Hasan(mrhasa@kth.se) Muhammad Jahangir Zafar(mjz@kth.se)

AUTOMATION TESTING USING SELENIUM FRAMEWORK

What is automation testing?

- **Difference between manual and automation testing**
- **Tools of automation testing**

➢ HP Quick Test Professional

➢ Selenium

➢ IBM Rational Functional Tester

➢ Silk Test

➢ Test Complete

➢ Testing Anywhere

➢ Visual Studio Test Professional

FEATURES OF SELENIUM

- Functional Automation tool for Web applications.

- Open source

- Supported languages

- Supported browsers

- Supported operating system

- Flexible when compared to QTP and other functional tools

COMPONENTS OF SELENIUM

- Selenium IDE

- Selenium RC

- Selenium Grid

SELENIUM IDE

- Record and Play back the scripts.

- Add on extension for Mozilla Firefox

- Accountable for user actions.

- Run the Recorded Scripts

SELENIUM REMOTE CONTROL (RC)

- Automated web application UI tests

- Selenium RC comes in two parts.

  - ➢ Server

  - ➢ Client libraries

SELENIUM GRID

- Multiple browsers with supported operating system in parallel.

- Run scripts on different browsers in parallel.

- Run multiple tests in parallel

SELENESE

- Basic Commands

  - ➢ Start()

  - ➢ Open()

  - ➢ Close()

  - ➢ windowMaximize()

  - ➢ Type()

  - ➢ Click()

  For documentation: https://www.selenium.dev/documentation/en/

Thank You!

Questions & Answers

?