My research covers the study of frameworks for testing software, both automated and manual. My work will dive into the details about what a framework truly is, and why IT professionals rely on them to develop, execute, and report thousands of tests for the team’s software development. I will also cover more detailed information on agile testing frameworks that are extremely popular such as test driven development, and behavior driven development. My research will also cover the importance of manual testing frameworks, and how they differ from automated testing frameworks. I will then transition my research towards different testing tools that are open source software, and widely used in the professional industry. The main tools that I will focus on will be FitNesse, Selenium, Rally, and Visual Basic Studio. Currently in the market there are no testing frameworks, tools, or software that allows the user to neatly create, organize, run, and report both automated and manual tests for software development projects. I will be using FitNesse the open source wiki to build custom pages to create a prototype to visually allow both automated and manual tests to be managed easily with the same tool. The user should be able to run automated tests with the click of a button and immediately have results reported. They should be able to run manual tests by clicking a button and being showed the necessary steps to complete the test, then be able to log its success or failure.