
TESTING TOOLS

TESTING TOOLS

- ▶ A lot of testing tools with different purposes.
- ▶ Different types:
 - ▶ Test Management tools.
 - ▶ Static Analysis tools.
 - ▶ Automated testing tools.
 - ▶ Load and stress Testing tools.
 - ▶ Defect tracking tools.
 - ▶ Mobile testing tools.
 - ▶ CrossBrowser testing tools.
 - ▶ API Testing tools.
 - ▶ Visual Testing tools.
 - ▶ Etc....

- ▶ Benefits:
 - ▶ Order.
 - ▶ Quick Feedback.
 - ▶ Visibility.
 - ▶ Automation.

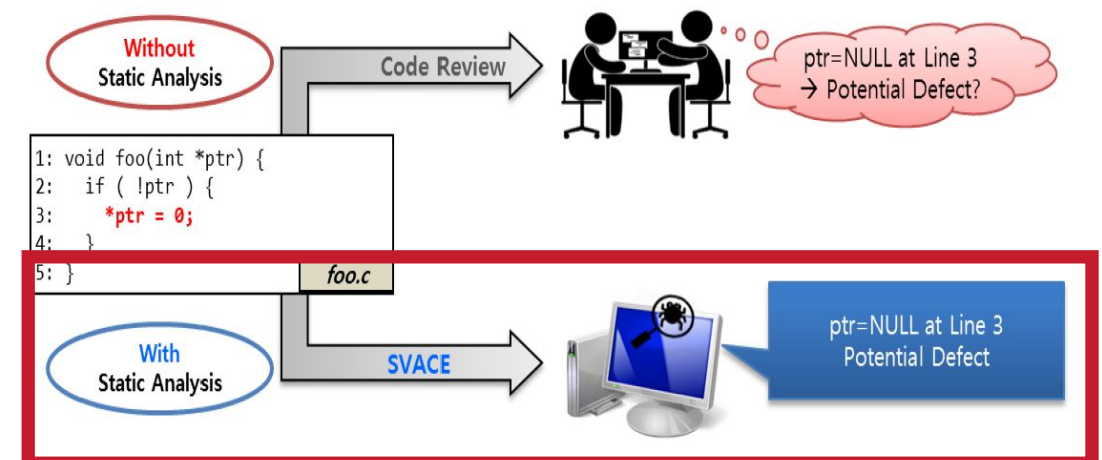
TEST MANAGEMENT TOOLS

- ▶ Everything that a tester does day a day.
- ▶ Integration with different tools (Example: JIRA)
- ▶ Control of test activities.
- ▶ Metric collector.
- ▶ Used by testers.



STATIC ANALYSIS TOOLS

- ▶ What is static analysis?
- ▶ Analyse the code.
- ▶ Understand the structure of the code.
- ▶ Coding standards.
- ▶ Different languages.
- ▶ Mostly used by the developers.



STATIC ANALYSIS TOOLS

```
▼ <div id="make-model-zopcode-container">
  ▼ <p>
    <label class="body-boxes-step2-col2-label" id="makeSelect"> MAKE:</label> = $0
    ▶ <select id="makeSelect" name="makeSelect" class="body-boxes-step2-select" style="width: 200px;">...</select>
  </p>
  ▶ <p>...</p>
  ▶ <p>...</p>
  ▶ <p>...</p>
  <div class="clearboth"> </div>
</div>
```

Same Id

- ▶ id: Specifies a unique id for the element.

AUTOMATED TESTING TOOLS

- ▶ Annotations.
- ▶ WebApplications/Desktop Application.
- ▶ Integration with other tools.
- ▶ Different programming languages.
- ▶ Developers and Testers.



TestNG

LOAD AND STRESS TESTING TOOLS

- ▶ Web applications.
- ▶ Helps to ensure the performance of your application.
- ▶ Robustness of the application.
- ▶ Free and paid.
- ▶ Testers, developers or system administrators.



DEFECT TRACKING TOOLS

- ▶ Information centralized.
- ▶ Report bugs.
- ▶ Assigning.
- ▶ Project status.
- ▶ History, comments.
- ▶ Visibility.



REDMINE

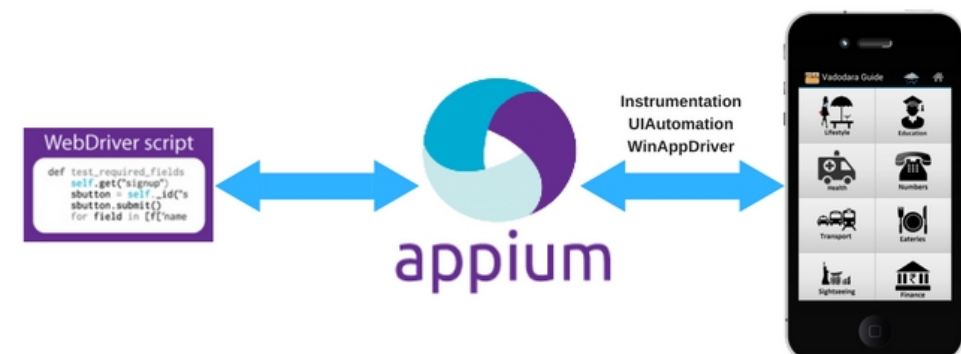
flexible project management



Bugzilla

MOBILE TESTING TOOLS

- ▶ Native or web application.
- ▶ Mobile is being more used now.
- ▶ Functionality and usability testing.
- ▶ Compatibility.
- ▶ Performance.
- ▶ Automated or manual.
- ▶ Equivalence partitioning?



CROSSBROWSING TESTING TOOLS

- ▶ Features supported.
- ▶ Behaviour in different browsers.
- ▶ Web Standards.
- ▶ Functional tests.
- ▶ Manual or automated.
- ▶ Testers.
- ▶ Why you should use this type of tools?



API TESTING TOOLS

- ▶ What is API?
 - ▶ Application program interface.
- ▶ WebApplication/Mobile Applications.
- ▶ Integration testing.
- ▶ Functionality, Performance and security.
- ▶ No GUI (Graphic user interface)
- ▶ **Automated** or manual.
- ▶ Testers.



VISUAL TESTING TOOLS

- ▶ Element position.
- ▶ Rendering
- ▶ Integration with cross browser testing tools.
- ▶ Automated.
- ▶ Real users.





EXERCISE

- ▶ Pairs.
- ▶ Research one tool
 - ▶ Presentation.
 - ▶ What's the purpose of the tool.
 - ▶ How it works.
 - ▶ Tool: pro and cons.

THANK YOU.