**Unit testing tools:**

**PHPUnit:**

**Advantages:**

1. Confine to every part of the program for unit testing.
2. Most widely used across the organization for unit testing.
3. Test various types of Controllers without extending.
4. Different and multiple types of test reports are created.
5. Tests results are customized.

**Disadvantages:**

1. It cannot run directly with a web browser.
2. It is less Functional.
3. For API testing it is not good for use.

**Selenium:**

**Advantages:**

1. Cost is low.
2. Supports different Testing Frameworks.
3. Easy to Integrate with a different programming language.
4. Useful for Comprehensive Testing.

**Disadvantages:**

1. Difficulty in searching Locators.
2. Only limited Browsers are supported.
3. You cannot write Manual Scripts.
4. Performance is slow**.**

**SimpleTest:**

**Advantages:**

1. It tests every part.
2. It is easy to understand and find bugs if unit testing is done.
3. Execution will be fast.

**Disadvantages:**

1. Can’t say that every part of the system will work correctly.

\*\*We will use phpUnit and selenium.\*\*