

Task 1: Selecting test tool categories

Scenario

Your company is developing a web application for customers of a cellular phone provider. The web application, which consists of a number of modules, can be viewed both online and from web-enabled phones. You are the leader of a small but dedicated testing team with established testing procedures. You need to select the appropriate set of tools that your team will use at each stage of the testing process.

Exercise

Your assignment for this task is to carry out the instructions in the Steps list.

Steps list

Number	Instructions
1	<p>To select the appropriate set of tools that your team will use at each stage of the testing process you have to take these factors into consideration:</p> <ol style="list-style-type: none">1. Your company has extensive documentation on carrying out test procedures available for your use. You have to keep track of these procedures during the testing.2. You have to handle testing activities and tasks associated with testing the web application.3. At the end of the testing, you have to provide your management with information on the number of incidents raised and the numbers of tests run. <p>Now, based on these criteria, which category of test tools would you select for your team?</p>
2	<p>When looking at the schedule, you and the project manager realize that the delivery timelines are very tight, and that all product development activities need to be planned very carefully. You suggest that it would help if the developers were to use tools and ensure that they create as much error-free code as possible during the development stage itself. The project manager asks you to recommend a set of tools for the developers. What set of tools would you recommend they use?</p>
3	<p>Individual components of the web application have been sent in for testing. Your team has to generate test inputs and the expected results using the test specifications that are provided in a formal language. Your team also has to compile data for creating the test cases that they will use to test the web application components. To help your team work more efficiently, you place a purchase requisition for a set of test tools. Which set of test tools would you use?</p>
4	<p>Your team has the test cases ready. You now need to provide input and receive output from the software component being tested. At each level of testing, you want to store and execute the tests within the framework itself. As the test is executing, you want to perform a comparison of actual and the expected results. Specify the set of tools you will use to be able to perform all these functions.</p>
5	<p>After the software application is deployed online, it may be accessed simultaneously by users worldwide. If the number of users accessing the application exceeds the number that the application can handle, it will collapse. To prevent such a situation, you decide to subject the application to a stress test. Which category of tools would help you do this?</p>

Review your solution and, when you are satisfied with it, open the [solution](#) page.

