

## RESOURCE REQUIREMENTS

Resource requirement is a detailed summary of all types of resources required to complete project task. Resource could be human, equipment and materials needed to complete a project.

The resource requirement and planning is important factor of the test planning because helps in determining the number of resources (employee, equipment...) to be used for the project. Therefore, the Test Manager can make the correct schedule & estimation for the project.

Some of the following factors need to be considered:

- Machine configuration (RAM,processor,disk)needed to run the product under test.
- Overheads required by test automation tools, if any
- Supporting tools such as compilers, test data generators, configuration management tools.
- The different configurations of the supporting software(e.g. OS)that must be present
- Special requirements for running machine-intensive tests such as load tests and performance tests.
- Appropriate number of licenses of all the software

No.	Member	Tasks
1	Test Manager	Manage the whole project Define project directions Acquire appropriate resources
2	Tester	Identifying and describing appropriate test techniques/tools/automation architecture Verify and assess the Test Approach Execute the tests, Log results, Report the defects. Tester could be in-sourced or out- sourced members, base on the project budget For the task which required low skill, I recommend you choose outsourced members to save project cost

3.	Developer in Test	Implement the test cases, test program, test suite etc.
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No.	Member	Tasks
4.	Test Administrator	Builds up and ensures test environment and assets are managed and maintained Support Tester to use the test environment for test execution
5.	SQA members	Take in charge of quality assurance Check to confirm whether the testing process is meeting specified requirements

OR

**Human Resource:** The following table represents various members in your project team

**System Resource:** For testing, a web application, you should plan the resources as following tables:

No.	Resources	Descriptions
1	Server	Install the web application under test This includes a separate web server, database server, and application server if applicable
2	Test tool	The testing tool is to automate the testing, simulate the user operation, generate the test results There are tons of test tools you can use for this project such as Selenium, QTP...etc.
3.	Network	You need a Network include LAN and Internet to simulate the real business and

		user environment
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No.	Resources	Descriptions
4.	Computer	The PC which users often use to connect the web server