**Hewlett Packard Quality Center (HP QC)**

Integrated IT quality management software that helps you standardize testing, design for performance and resolve defects to optimize quality, reduce costs and deliver applications quickly and with confidence.

**Characteristics:**

Implement HP QC Enterprise and deliver high-quality applications at the pace your business needs.

It includes:

* Exploration, functional and regression tests
* Scalability, from the project to the company
* Standardization of testing practices.
* A single repository for your testing assets
* Available as SaaS or locally

The web application can manage several projects, for each of which it has the following modules:

* **Releases:** manages the different deliveries and project cycles.
* **Requirements:** requirements management.
* Business components.
* **Test plan:** specification module and test design.
* **Test resources:** resources and libraries that can be used in tests.
* **Test lab:** management of test cycles and execution of them.
* **Defects:** defect management.
* **Dashboards:** panels with metrics

Advantage.

* Define projects, cycles and test plans.
* Define the test cases.
* Registers the execution of test cases with the result and the attached evidence.
* Register defects and associate them with the test cases.
* Operational test reports, including progress percentages, incidents status, progress of the launch among others.
* Trial version for short projects.
* Disadvantages
* Pay license.
* System requirements
* Operating system (Windows, Linux and MacOS).
* 2 GB RAM memory.
* 12 GB on hard disk.
* Graphic card compatible with Shader.
* Latest update of .NET Frameworks.
* Processor at 2 GHz or higher.
* Enable permissions in browsers (Chrome, Safari, Mozilla Firefox).
* HP Agile Accelerator.
* HP Sprinter.

**Justification**

The quality system is an element of utmost importance in every type of process carried out, that is why throughout the times several tools have been generated to achieve a quality process.

Hewlett Packard Quality Center (HP QC) is one of the many complete tools that shield us as a goal to have a quality control, in which we can obtain a more adequate performance, it also gives us the opportunity to detect any error or disadvantage that could prevent the good software operation.

We can also reduce costs and obtain various tools that may be viable for the application, in various activities in an efficient and effective manner.

This tool was selected because it is a tool that includes more elements, from requirements management since it gives us the possibility of capturing and being able to the different requirements that are obtained during the analysis phase. Another of the reasons for choosing this tool is because it offers us the possibility to apply the test process in a repeatable and consistent manner, giving us in a concrete way the elements that may intervene in the quality of the service.

Besides that this is complementary since it carries out a realization of constant revisions to carry out a constant pursuit of the processes which don give as an opportunity to be collaborative and visible the results before the client.

Furthermore, it is a very complete tool since it is based on the fact that the management and planning of tests is based on the risks presented by the stakeholders, which arise in an environment where the software to perform the activities or functions, by which it was designed.

This is useful for us since what we are looking for is a follow-up of all the tasks and activities that are carried out and carried out by our group of designers which is compared with the different requirements already established, this to protect a better quality of software and prevent risks.