# Quality Management Plan

**Date:** 28th May 2020

**Project Name:** Expense Tracker

**Introduction**

A Quality Management Plan (QMP) comprises of all the guidelines the program Manager and project personnel follows and guides them to execute quality management and quality assurance activities for a project or program. The whole and sole purpose of the QMP is to describe how quality will be managed throughout the lifecycle of the project. Quality management planning decides quality policies and procedures relevant to the project for both project deliverables and project processes, defines who is responsible for what, and documents compliance A QMP is created by a contractual worker. Quality is how much the project fulfills requirements.

The QMP identifies these key components:

* **Project Deliverables & Project Processes:**  The key project deliverables, task expectations and processes subject to quality audit.
* **Deliverable Quality Standards:**  The quality standards that are the “measures” used to decide an effective result for a deliverable. These standards may shift reliant on the sort of information technology project.
* **Customer Satisfaction:**  The customer satisfaction criteria and loyalty portray when each deliverable is finished and worthy as characterized by the customer. Deliverables are assessed against these criteria.
* **Quality Control Activities:** The quality control exercises that screen and check that the project deliverables fulfill defined quality standards.
* **Process Quality Standards:**  The quality standards that are the “measures” used to decide if project work forms are being followed.
* **Stakeholder Expectations:** Stakeholder expectations depict when a project process is viable as characterized by the project stakeholders. An example is the review and approval of all high impact effect changes to the project or undertaking.
* **Quality Assurance Activities:** The quality assurance exercises that screen and check that the procedures used to oversee and make the expectations are followed and are compelling.

In our project, QMP will assist us with maintaining barely any gauges for quality and when the product is conveyed to the customers we will make sure that the quality standards are met. By setting these principles, we will be keeping up the quality throughout the life cycle of the project and this will improve the viability of the project. This will thus build customer loyalty and satisfaction.

**Quality Standards**

The applicable principles, methodologies ought to be maintained for following items:

* All the principles referenced in risk management should be maintained. There are a set of coding gauges which should be maintained by the developers at the hour of accomplishing their work.
* Standards identified with privacy, security, pushing the code etc. should also be maintained.

**Metrics:**

Measurements regarding type of defects

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Defect Level** | **Defect Name** | **Measurements** |
| 1 | High-Level Defects | Wrong Estimation,  Not allocating work to an ideal individual,  Planning errors | Project estimation should be capable more appropriately and adequate time should be given to assess the project.  Project Manager should have a superior than normal information of the partners and their abilities and give out work in like manner.  Care must be taken in the arranging stage, with the goal that later stuns are dodged. |
| 2 | Mid-level Defects | Bugs,  Integration issues | Bugs are standard in any project so appropriate testing and quality assertion should be realized.  Exactly when modules are grouped together and endeavored on a entire, a few issues may develop so the testing gathering should have enough learning of the broad number of modules. |
| 3 | Low-level Defects | Screen Resolution,  Hard-disk specifications | Screen resolution of the PCs won't not be wonderful which may not be a tremendous issue however rather work should be possible better in the event that it is according to the points of interest. |

**Problem Reporting and Corrective Action Process:**

* If there is any issue like any task/errand not fulfilling the quality standards, at that point it should be accounted for. Necessary move should be taken regarding the issue.
* Should decide any quality related tools to help quality.
* We should characterize quality control and quality assurance issue reporting plan.
* Any issue raised should be addressed by senior officials as quickly as time permits and a criticism should be given to team members as well as stakeholders.

**Supplier Quality and Control**

* All the information should render in proper time.
* There should be no data transmission issues and the application should not crash if increasingly number of users are utilizing it at once.
* The user interface should be agreeable and friendly. Users should be happy using it.
* All the look and feel norms should be met.