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A lightweight Quality Mangagment Process for a game

(Application Testing & Metrics)

Assignment 4

Due Date: 8/6/2015

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# Introduction

A quality management system (QMS) is a set of policies, processes and procedures required for planning and execution (production/development/service) in the core business area of an organization. These include areas that can impact the organization's ability to meet customer requirements. (ref)

A lightweight system is defined as relatively simpler or faster or that has fewer parts than something else.

As ISO is international, standardized QMS, this will be used as a benchmark for this game. The documentation created for this game will be lightweight in comparison to the ISO standard QMS.

For the purpose of this document the term Quality Management Process is equal the term Quality Management System.

The purpose of this Lightweight quality management system is to ensure to following meet the desired level of quality:

* Quality of Story
* Quality of the game mechanics
* Game audio
* Download and upload experience
* Visual style effects such as GUI
* Reliability
* Efficiency
* Integrity
* Usability
* Maintainability
* Testability
* Flexibility
* Portability
* Reusability
* Interoperability
* Security
* Safety
* Size
* Design
* Developer
* Purchasing Control
* Production Control
* Customer feedback

The Light Weight Quality Management System will define which aspects are to be tested and will provide the steps of how to test to the game.

# Team members

4 team members

* 2 Programmer
* 2 Artist

# Orgnination

# adopted Standards

Oso9000

Gap Analysis Checklist

Quality Policy

•        Quality Manual

•        Procedures

•        Work Instructions

•        Records

8 principles

<http://www.abtrex.com/wp-content/uploads/2009/12/Abtrex-QMSHierarchy.gif>

<http://usercontent2.hubimg.com/3796577_f1024.jpg>

codeing statndard

UI statndard

# Reviews and AUDITS (审核与审查)

* Quality of Story
* Quality of the game mechanics
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* Production Control
* Customer feedback

# Records and reports

* Quality Policy

•        Quality Manual

•        Procedures

•        Work Instructions

•        Records

Reason

* Quality Manual :An official [document](http://www.businessdictionary.com/definition/document.html) [produced](http://www.businessdictionary.com/definition/produce.html) by a [business](http://www.businessdictionary.com/definition/business.html) that details how its [quality management system](http://www.businessdictionary.com/definition/quality-management-system-QMS.html) [operates](http://www.businessdictionary.com/definition/operate.html)

# QA problem reporting, and corrective actions

* Quality of Story
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To able to report problem the ?? team we create a website , in every computer they will need to make a link on destop , so as following image:

The user have two types of doc one is about the SDLC and the is about the system, the format is showed below

ID

Type of QA problem

Description (need to be SMART)

Priority

Corrective Actions

The steps if feedback from customer

Reply email as following format

The steps if feedback from team members

Open

# ToolS, techniques, methods

The current tools can be used during (QMS) if needed

QMS tools

Master Control

Explore Entropy

Aerna PLM

The lean Management

GaGEtrak

ISOXPRESS

To able to improve the documentation the following ?? can be applied

# QA metrics

* Quality of Story
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* Developer
* Purchasing Control
* Production Control
* Customer feedback

# Controls for external entities

# Records collection, maintenance, and archiving

All documentation will be collected and store in a folder structure

# Training required

# Risk management

# Reference

<http://the9000store.com/what-is-iso-9001-quality-management-system.aspx>

<http://whatis.techtarget.com/definition/lightweight>