Content

# Introduction

## Document purpose

It’s in this document the purpose of the project will be presented, and the objectives as well as the management of it.

It will be detailed the method of management adopted, the project team and the role of each one. For what technical, only the overall functioning will be explain.

## Project purpose, scope and objectives

### 1.2.1) Purpose

The objective of this project is to develop an instant messaging (IRC chat) comprising a JMS in JAVA language. This project must be develop by applying a level 3 CMMI methodology.

The IRC chat must allow several users to communicate between them. All users will be connect to a same server and can interact between them. And each user can see everything other people write on the chat.

### 1.2.2) Scope and objectives

The principal objective is to achieve a JAVA application and to manage the project with a level 3 CMMI methodology. As previously described, the purpose of the project is to design an IRC chat.

To carry out this project

### 1.2.3) Responsibilities

## 1.3) Reference documents

## 1.4) Terminology

# 2) Project Plan

## 2.1) Project constraints

## 2.2) Project lifecycle and development strategy

### 2.2.1) Project Lifecycle

### 2.2.2) Development strategy

### 2.2.3) Verification and validation strategy

### 2.2.4) Objectives

### 2.2.5) Requirements domains

### 2.2.6) Validation objective by Requirement Domain

### 2.2.7) Test Activity versus Requirement domain

### 2.2.8) Requirement domain versus automated tests

### 2.2.9) Controls and verifications

### 2.2.10) No regression

### 2.2.11) SCR fixing validation

### 2.2.12) Test versus platform

### 2.2.13) Reporting and test traceability

# 3) Project organization

## 3.1) Organization Breakdown structure

## 3.2) Training needs

# 4) Project estimation

# 5) Schedule

# 6) Deliverables

# 7) Hardware, software and other resources

# 8) Project management process

## 8.1) Project Progress Tracking

### 8.1.1) Project meetings

### 8.1.2) Reporting

### 8.1.3) Project metrics and measurements

## 8.2) Dependencies management

## 8.3) Risks and Events

### 8.3.1) Risks identification

### 8.3.2) Risks and Events management

# 9) Technical process plan

## 9.1) Tools

## 9.2) Methods

## 9.3) Peer reviews

## 9.4) Technical reviews

# 10) Configuration management

# 11) Quality assurance

## 11.1) Project Mode Selection

## 11.2) QA Escalation

## 11.3) QAO Activities

# 12) Project Documentation

# 13) Processes applied in the project

## 13.1) Reference of the project processes and tailoring

## 13.2) Project waivers