Jeremy

Swordfish

– SAFAPS SIM –

Requirements Document

Objectives of this document

The purpose of this document is to describe the requirements for the SAFAPS SIM project. The scope of the project will be explained by defining the boundaries and expectation of SAFAPS SIM. This document gives an understanding of what the system will do in both specific and nontechnical terms. The requirements will be listed, recorded as use case, classify depending on their attributes and prioritized. Besides these requirements, this document also cover the constraints upon SAFAPS and the assumptions for uncertain elements.

Glossary and Terminology

– S –

S&F: Stress and Fatigue

SAFAPS: Stress and Fatigue Audit and Prediction Service

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# Executive Summary

# Business Objectives

The goal of SAFAPS is to provide a Web service allowing managers to get the levels of Stress and Fatigue (S&F) of the people they are in charge of. From the working hours and the conditions in which the employees are working, SAFAPS measures the level of S&F within about 10 minutes by using a powerful algorithm. Using this algorithm, SAFAPS can then calculate the current level of S&F but can also make prediction on it. This information is used by organizations’ managers to make a proper schedule for their employees, being aware of the safety and security aspects of their jobs.

SAFAPS can be either used from a browser, by a human-being user entering all data needed by the algorithm through a graphical user interface. SAFAPS can also be called by an external software system requesting SAFAPS’ API. That allows managers to use SAFAPS directly from the organization’s system.

SAFAPS usage is not free of charge and each request are to be invoiced to the manager’s organization. Thus, one or several members within the organization must be able to see the use of SAFAPS performed by managers. Thus, SAFAPS must save every requests done and identify the caller.

# Background

# Scope

# Features

# Functional Requirements

# Reporting and Quality Assurance

# Delivery Schedule

# Other Requirements

# Assumptions

# Limitations

# Risks