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| PS2Win |
| Software Development Plan |
| Keep Your Time |

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| Filipe Brandão  23-03-2013 |

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| **Authors and Contributors** | | | |
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Table 1: List of Contribuitors

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| **Revision History** | | | | | |
| **Date** | **Description** | **Author** | **Version** | **Approvers** | **State** |
| 23-03-2013 | Creation of first draft | Filipe Brandão | 0.1 |  | Draft |
| 01-04-2013 | Continuing first draft | Filipe Brandão | 0.2 |  | Draft |
| 03-04-2013 | Added more details | Filipe Brandão | 0.3 |  | Draft |
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Table 2: Version history

# Scope Statement

The goal of this project is to develop a time tracking software, coupled with a mobile platform thus enabling more portability while providing a new way of interaction.

# Life Cycle

This project will follow a waterfall model based on these phases:

Requirements Analysis

Design & Construction

Verification & Validation

Phases description:

* Requirements Analysis – elicitation and requirements analysis.
* Design & Construction – database design and software coding.
* Verification & Validation – Acceptance tests and delivery.

# Milestones

KOM - 8th of April

SRS Review – TBD

Code Review – TBD

Acceptance - TBD

# Deliverables

The main deliverable for this project are:

* Vision and Scope;
* Software Development Plan;
* Quality Plan;
* Risk Plan;
* Software Requirements Specification;
* Test Plan;
* Post-Mortem Report;
* Software;
* Review Reports.

# Work Breakdown Structure

The following items are the result of an early work breakdown:

1. Requirements
   1. Requirements gathering and analysis
      1. Elicitation (brainstorm) + Use Case Diagram (draft) – 7 members
      2. Use cases definition + Mockups + Business Rules – 2 members **7**
      3. Requirements definition + SRS production - 2 members **7**
   2. Acceptance tests planning – 2 members **7**
   3. SRS Inspection
      1. Planning + Preparation – 7 members
      2. Meeting – 7 members
      3. Rework + Followup – 7 members
2. Development
   1. Database
      1. Architecture definition (Entity Relationship diagram) - 2 members
      2. Walkthrough – 7 members
      3. Module implementation – 1 member
   2. Coding (Including UI and Unit testing)
      1. Show tasks listing with groups – 1 member
      2. Show task details – 1 member
      3. Adding tasks– 1 member
      4. Group tasks– 1 member
      5. Alerts inactivity – Detection – 1 member
      6. Alerts inactivity - User reaction – 1 member
      7. Timing individual tasks – 1 member
      8. Exporting the application – 1 member
      9. Network communication module for Desktop (UDP) – 1 member
      10. Network communication module for Android (UDP) – 1 member
      11. Android Syncing procedure – 1 member
      12. Interactively control the start and stop of time tracking using an Android device – 1 member
      13. Adding, Selecting and Viewing task with an Android device – 1 member
   3. Inspection of a code module
      1. Planning + Preparation – 7 members
      2. Meeting – 7 members
      3. Rework + Followup – 7 members
3. Acceptance tests – 2 members

# Resources

# Estimation

The following values are a result of an early estimate based on Planning Poker using the work breakdown structure. This estimation doesn’t include management tasks.

1. Requirements
   1. Requirements gathering and analysis
      1. Elicitation (brainstorm) + Use Case Diagram (draft) – 13 hours
      2. Use cases definition + Mockups + Business Rules – 13 hours
      3. Requirements definition + SRS production - 20 hours
   2. Acceptance tests planning – 13 hours
   3. SRS Inspection
      1. Planning + Preparation – 13 hours
      2. Meeting – 20 hours
      3. Rework + Followup – 8 hours
2. Development
   1. Database
      1. Architecture definition (Entity Relationship diagram) - 3 hours
      2. Walkthrough – 13 hours
      3. Module implementation – 5 hours
   2. Coding (Including UI and Unit testing)
      1. Show tasks listing with groups – 8 hours
      2. Show task details – 5 hours
      3. Adding tasks– 5 hours
      4. Group tasks– 13 hours
      5. Alerts inactivity – Detection – 5 hours
      6. Alerts inactivity - User reaction – 13 hours
      7. Timing individual tasks – 5 hours
      8. Exporting the application – 8 hours
      9. Network communication module for Desktop (UDP) – 13 hours
      10. Network communication module for Android (UDP) – 13 hours
      11. Android Syncing procedure – 5 hours
      12. Interactively control the start and stop of time tracking using an Android device – 5 hours
      13. Adding, Selecting and Viewing task with an Android device – 20 hours
   3. Inspection of a code module
      1. Planning + Preparation – 13 hours
      2. Meeting – 20 hours
      3. Rework + Followup – 8 hours
3. Acceptance tests – 13 hours

These tasks accomplish a total of 289 hours of effort.

# Resource Allocation

TBD

# Project Schedule

TBD

# Project Tracking

An Earned Value graph will be used to track the project. It will be available at the documents repository. DEFINE HOW IT IS UPDATED.

The critical deviation value is 20% from the plan.

# Quality Plan

A Quality Plan is defined in the document “QUALITY\_PLAN\_NAME.DOCX” and it’s available at the document repository.

# Other Plans……/ Processes