
Time Pies

Project Description

Submitted to:

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Unique Reference:

The documents are stored in <https://github.com/coconutnut/Requirements>.

Document Purpose:

This document provides a description of Time Pies's system and software design. It is intended to describe the implementation of the project. It will be used to aid in the mobile application's development and future modifications.

Target Audience:

The target audience of this document are software engineers and mobile application developers who want to modify the application or improve the implementation of the software. It is also for students who are interested in learning to develop applications in this platform.

Revision Control:

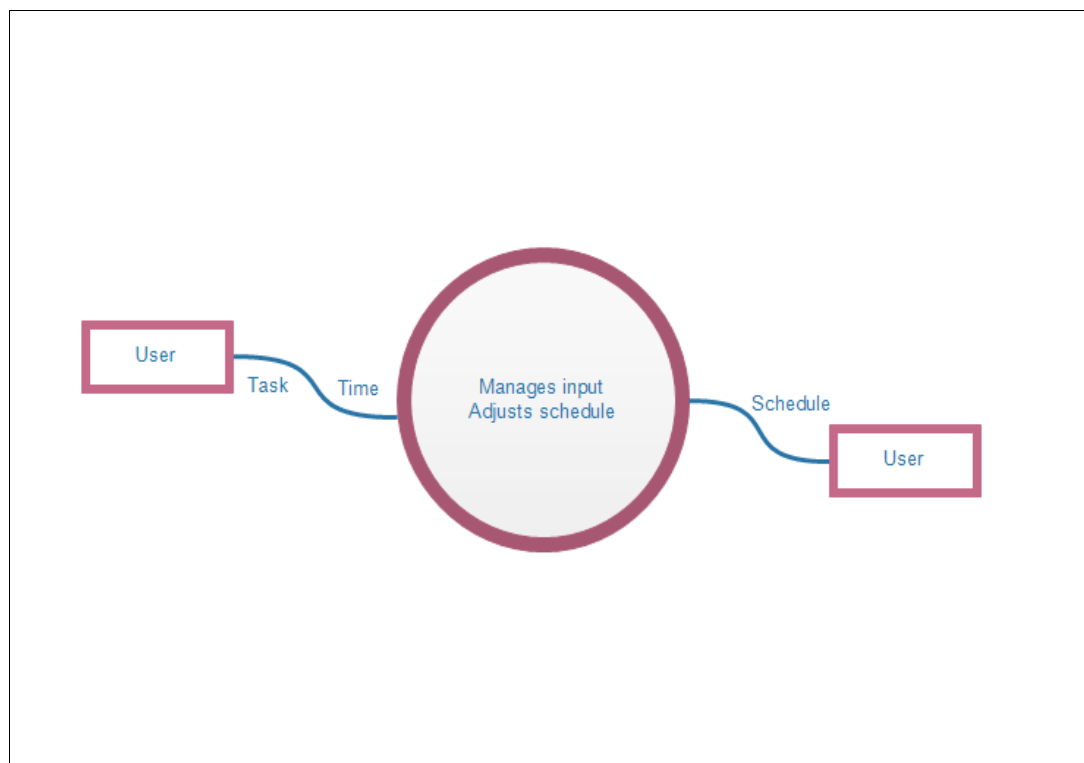
Revision Date	Person Responsible	Version Number	Modification
08/25/14	Patricia Kelly Co Kenneth Otsuka Mary Jane Rubio	1.0	Initial Document; Version number should match the one below.

Project Title: Time Pies – A Mobile Time Management Application

Description:

The application serves as a tool to help users (i.e. students) in managing their daily activities. It features a scheduler in the form of a pie chart to easily visualize the tasks in proportion to the allotted time. It also has an auto-adjust function that fixes the user's remaining tasks accordingly in the case that a scheduled activity is unfinished or is failed to be accomplished.

Context Diagram:



Entities:

1. Users – students in need of a tool to help manage their time in accomplishing a number of tasks

Major Inputs:

1. tasks – things that need to be done
2. time – the amount of time given to accomplish all input tasks

Major Outputs:

1. fixed schedule – generated pie chart containing the input tasks
2. adjusted schedule – generated pie chart that is automatically adjusted whenever the user fails to do a task

Major Functionalities:

1. input of tasks – the user inputs all the tasks
 - a. add – add a task by entering the task and choosing a color
 - b. delete – delete selected task
 - c. resize – allot how much of the time per task
 - d. move – rearrange the tasks
 - e. reset – delete everything
2. setting the duration for the entire schedule – the user sets the amount of time to finish all the input tasks
3. adjusting feature – the pie automatically adjusts itself whenever the user misses a task
4. alarm function – checks on whether or not user was able to finish a task and shows the next task