
Time Pies

Project Description

Submitted to:

Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:
Co, Patricia Kelly
Otsuka, Kenneth
Rubio, Mary Jane

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Unique Reference:

The documents are stored in the <https://github.com/purplemcshortshort>.

<https://github.com/purplemcshortshort/Requirements/blob/master/TimePies.pdf>

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.

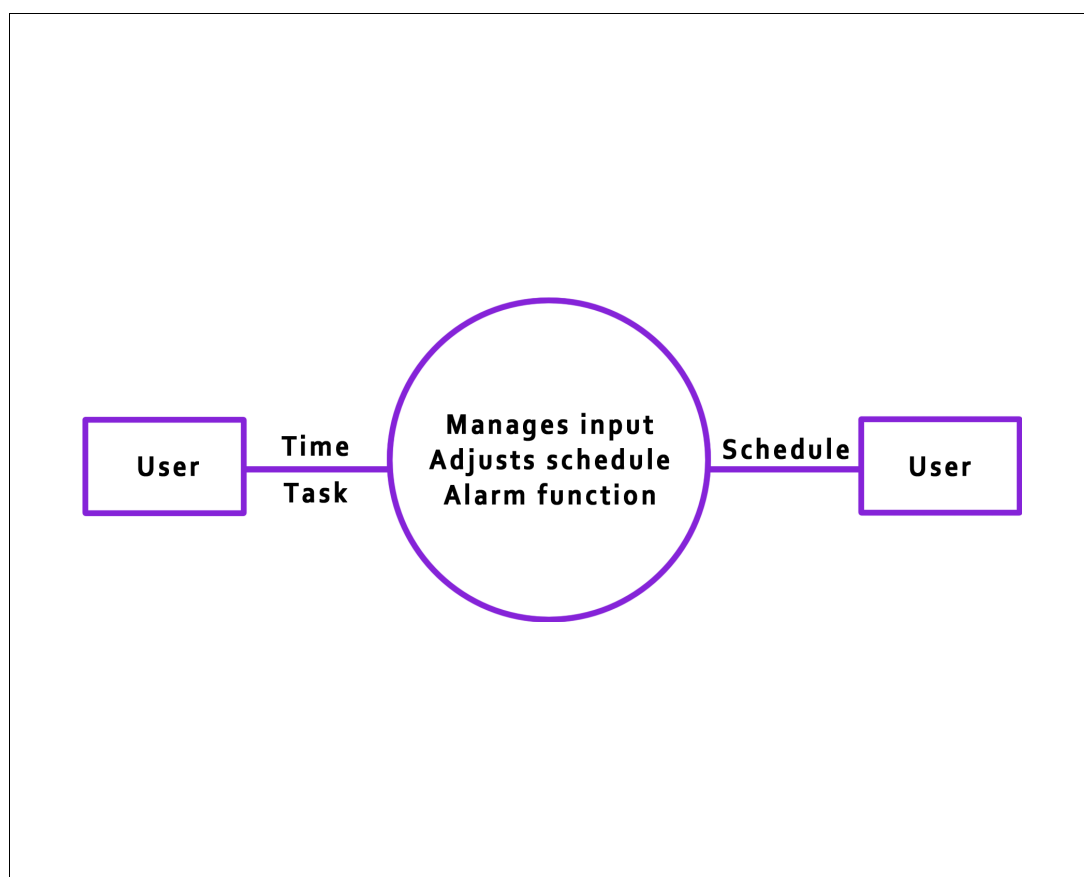
Revision Control:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Modification</i>
08/25/14	Patricia Kelly Co Kenneth Otsuka Mary Jane Rubio	1.0	Initial Document
09/09/14	Patricia Kelly Co Kenneth Otsuka Mary Jane Rubio	1.1	Project Description; Context Diagram

Project Title: Time Pies - Mobile Time Management Application

Description: The application is a time management tool to help users (i.e. students) with their daily activities by providing a visual aid to keep track of their time and boost productivity. It is a to-do list for the day presented in the form of a pie chart. Each task added to the list will be a slice of the pie. These slices can be arranged by dragging and be resized by moving their partitions. The duration for the entire list will be set by the user and based on the ratio of each slice to the whole pie, the application will compute what fraction of the inputted time is allotted to each task. Once set to start, the pie will act as a timer that alarms whenever a slice runs out of time and asks whether the task is finished or not. If yes, it will show the next task, otherwise it will give the option to adjust the remainder of the pie.

Context Diagram:



Entities:

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

Major Inputs:

1. tasks – things that need to be done for the day
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 – the time allotted for each task is adjusted depending on user answer to prompt message when a task goes over its scheduled time

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 the time given to each remaining task
4. alarm function – alarms whenever a task runs out of time; checks on whether or not user was able to finish the task and shows the next task