

# Almost Excel

## Team 2

3 January 2013

Table 1: Team

[illegible]

# **1 System**

FunSheets is an electronic spreadsheet program used for storing, organizing and evaluating raw data. FunSheets is designed, written and distributed by Team 2 of COMP354 W/PP

## **1.1 Purpose**

FunSheets is used to automate data organization and the calculations of complex expressions involving large amounts of data.

## **1.2 Context**

FunSheets will allow the user to create, open or modify a spread sheet and evaluate the source to produce a new spreadsheet featuring calculated value, evaluated expressions, and sorted information.

# **2 Domain Concepts**

# **3 Actors**

A list of actors (primary/secondary), and use cases are mentioned in this section.

## **3.1 List of Actors**

1. Person as a primary actor.
2. System as a secondary actor.

## **3.2 Description of Actors**

1. Person: A Person, is the main user of the application. Their roll is to input raw data or expressions manually or by opening existing files
2. System: A software application that provides utilities for spreadsheet analysis and evaluation.

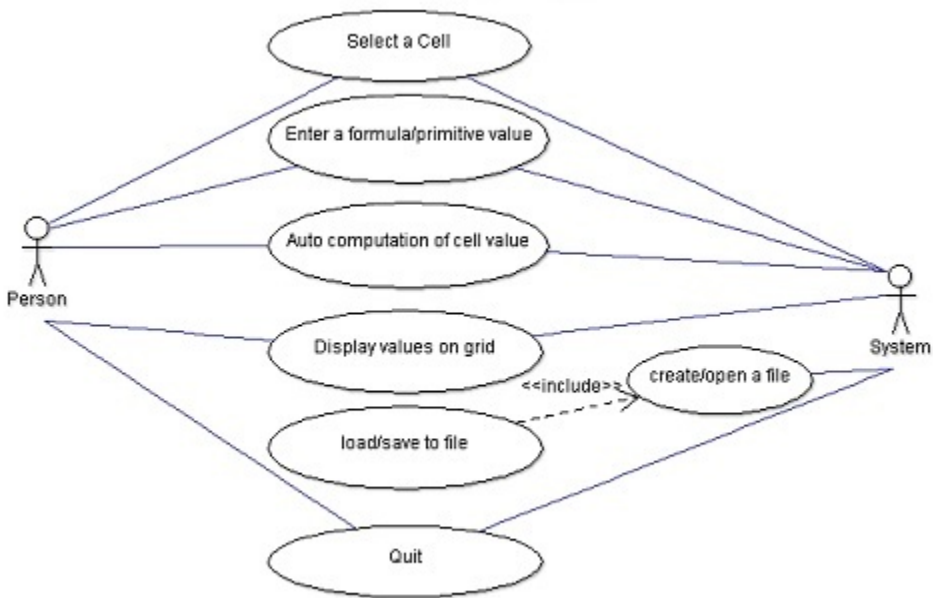


Figure 1: Use Case Diagram

## 4 Use Cases

### 4.1 Overview

Use Case model provides an understanding of the interaction between the user and the software system. It consists of one or more actors and one or more use cases where actors represent particular role and use cases represent actions performed by the system.

## **Use Case 1**

### **Name**

Select a Cell

### **Summary**

A user will select a cell that can be used for various operations

### **Actors**

1. Person
2. System

### **Precondition**

The user has opened the program, and opened or created a spread sheet

### **Main Scenario**

1. User will click on the desired cell or enter the cell address.

### **Exceptions**

The cell is outside an acceptable range

### **Postcondition**

Selecting a cell will trigger an event in the system to evaluate the input

## **Use Case 2**

## **5 Non-Functional Constraints**

## **6 Data Dictionary**

## **7 References**

### **A Description of File Format: Tasks**

Describe input file format.

### **B Description of File Format: Persons**

Describe output file format.