**5 Task breakdown for the conduct of the project**

Using a task breakdown analysis, team KRSS has identified XX individually scheduled subtasks, requiring a total of XX person-hours.

**5.1 Documentation preparation**

**5.1.1 Subtask—Project description and elevator talk**

This task involved 4 individuals and required 4 person-hours

**5.1.2 Subtask—System specification / Project plan and classroom presentation**

This task involved 4 individuals and required XX person-hours

**5.1.3 Subtask—Logic Flow diagram**

This task will involve 4 individuals and require 4 person-hours.

**5.1.4 Subtask—Test-Case list**

This task will involve 4 individuals and require 4 person-hours.

**5.1.5 Subtask—Increment 1 plan**

This task will involve 4 individuals and require 6 person-hours.

**5.1.6 Subtask—Increment 2 plan**

This task will involve 4 individuals and require 6 person-hours.

**5.1.7 Subtask—Midterm Report**

This task will involve 4 individuals and require 4 person-hours.

**5.1.8 Subtask—Increment 3 plan**

This task will involve 4 individuals and require 6 person-hours.

**5.1.9 Subtask—Final Report**

This task will involve 4 individuals and require 8 person-hours.

**5.2 Program objects and functions construction**

**5.2.1 Subtask—Create test data and environment**

This task will require the generation of sample PDFs from a script. It will involve 2 individuals and require 4 person-hours.

**5.2.2 Subtask—Construct Invoice object**

The invoice object will hold all data necessary for sorting and storage. This task will involve 2 individuals and require 4 person-hours.

**5.2.3 Subtask—Construct function to deconstruct an invoice filename and store into an object**

The invoice’s store ID, POS register ID, transaction ID, customer ID, and date will be retrieved from the filename. This task will involve 2 individuals and require 4 person-hours.

**5.2.4 Subtask—Construct function to compile a searchable filename based on input segments**

The filename must be in a searchable format composed of all elements of invoice such as store ID, POS register ID, transaction ID, customer ID, and date in order to be stored correctly. This task will involve 4 individuals and require 4 person-hours.

**5.2.5 Subtask—Construct Finder object**

This task will involve 2 individuals and require 2 person-hours.

**5.2.6 Subtask—Construct Settings object**

This task will involve 2 individuals and require 2 person-hours.

**5.2.7 Subtask—Construct Results object**

This task will involve 2 individuals and require 2 person-hours.

**5.2.8 Subtask—Construct Exporter object**

This task will involve 2 individuals and require 2 person-hours.

**5.3 Graphical user interface construction**

**5.3.1 Subtask—Construct interface allowing input of search criteria**

Search criteria will include shop ID, register ID, transaction ID, customer ID, and date. This task will involve 4 individuals and require 6 person-hours.

**5.3.2 Subtask—Construct interface for adjusting search and export settings**

Refinement of the search will be necessary for large quantities of files. This task will involve 4 individuals and require 8 person-hours.

**5.3.3 Subtask—Construct interface to view and operate on results**

This task will involve 4 individuals and require 6 person-hours.

**5.3.4 Subtask—Construct interface for filtering and sorting results**

As there are thousands of items per day to be searched, data must be filtered. This task will involve 2 individuals and require 6 person-hours.

**5.3.5 Subtask—Link the graphical user interface with the program**

This task will involve 2 individuals and require 2 person-hours.

**5.4 Testing and confirm database compatibility**

**5.4.1 Create more use and test cases**

This task will involve 4 individuals and require XX person-hours.

**5.4.2 Create Test Database**

This task will involve 4 individuals and require XX person-hours.

**5.4.3 Create Queries to retrieve full filenames**

This task will involve 4 individuals and require XX person-hours.

**5.4.4 Modify search functions and objects to accept query results**

This task will involve 4 individuals and require XX person-hours.

**5.5 Deploy and train PPG users**

**5.5.1 Present final product to PPG, deploy the product, and train users**

Coordination is required with PPG to see what their needs are as far as presentation and training. This task will involve 4 individuals and require 8 person-hours.