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**BN002/013/104/120/997 Year 2 Software Engineering and Testing**

**Assessment 1: Project Proposal**

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**Declaration**

I herby certify that this material, which I now submit for assessment on the programme of study leading to the award of Ordinary Degree in Computing in the Institute of Technology Blanchardstown, is entirely my own work except where otherwise stated.

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# Title

# Motivation

This program will save time for users who need to count money in the till. The till counter reduces the amount of mistakes, as no real calculation is needed by the user. Its fast and simple approach is convenient and saves time.

# Goals

The goal of the till counting program is to simplify the process of balancing tills for retail workers. This program uses an all in one approach, by allowing users to easily count the till by entering simple figures.

# Client

# The Project

The project definition:

Simple counting system that makes the counting of till much faster, easier and more accurate.  
The program takes in the number of coins, notes, credit card payments and cash drops the user has counted.

The program adds up the amount of money entered and gives the user the total amount.

The program prompts the user to enter the total tender read on the report from the till. The program will then calculate if the till has the amount of money printed on the system report.

A text file with the final total is being exported and saved. The file also includes the date when the till has been counted.

The system will have a graphical user interface with labels and buttons.

# Project Value and Benefits

Retail workers, management and supervisors. Counting tills is a general practice that often involves human errors. Our program will eliminate those errors.   
It simplifies the process of counting money by reducing the time needed to count a till.

**Technical Requirements**

Eclipse, java (Swing, AWT, File I/O), paint.