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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 – Till counter

# 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 – Shops, retailers and restaurants.

# The Project

The project definition:

* Simple counting system that makes the counting of till much faster, easier and more accurate.
* The end product is enabling users to successfully and easily count a till, lowering the risk of errors.
* The system will have a graphical user interface with labels, text fields, text files and buttons.
* The user enters any money that is in the till and the total tender on the report sheet to the program. The money is added and taken away from the total tender. The user is notified if the till is balanced (+ or -), and the information and date is written and saved to text file.

# Project Value and Benefits- Retail workers, management and supervisors will use this software. 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.