



# ***NORTH WESTERN UNIVERSITY***

## ***KHULNA***

***Course Title: Object Oriented Programming Seaso***  
***CSE-2102***

***Report name: Electricity Billing System***

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# Introduction

## **Purpose:**

The Cash Counter is a software application designed to facilitate efficient cash handling and management. This user manual provides instructions on how to effectively utilize the system's features to ensure accurate cash counting, secure transactions, and streamlined reconciliation processes.

## **Scope:**

This manual covers the usage and functionality of the Cash Counter, including opening and closing the cash drawer, recording cash transactions, conducting cash reconciliation, generating reports, and maintaining system security.

## **System Overview:**

The Cash Counter software automates the process of cash handling and reconciliation, reducing human errors and improving efficiency. It offers a user-friendly interface, robust security measures, and comprehensive reporting capabilities to support accurate cash management.

# Objectives

The purpose of this lab project was to Cash Counter. It creating and updating accounts, meter reading entry, billing generation, payment Amount, and generating usage reports.

# Description

## 1. User Interface:

Describe the main dashboard, highlighting key information and functionality available at a glance.

### Cash Counter

1000Tk

500Tk

200Tk

100Tk

50Tk

20Tk

10Tk

Total

Clear

Cash Counter

Date & Time: Thu Jun 22 22:09:38 BDT 2023.

1000X = 1 X 1000 = 1000

500X = 2 X 500 = 1000

200X = 3 X 200 = 600

100X = 4 X 100 = 400

50X = 5 X 50 = 250

20X = 6 X 20 = 120

10X = 7 X 10 = 70

Total = 3440

EXIT

## 2. User Input:

Explain the navigation structure and menu options available to users for accessing different system features.



The image shows a graphical user interface for a "Cash Counter" application. The title "Cash Counter" is centered at the top. On the left side, there are seven input fields for different denominations: 1000Tk, 500Tk, 200Tk, 100Tk, 50Tk, 20Tk, and 10Tk. Below these is a green "Total" button. At the bottom left is a cyan "Clear" button, and at the bottom right is a red "EXIT" button. A large white rectangular area on the right side is intended for displaying the total amount.

Cash Counter	
1000Tk	<input type="text"/>
500Tk	<input type="text"/>
200Tk	<input type="text"/>
100Tk	<input type="text"/>
50Tk	<input type="text"/>
20Tk	<input type="text"/>
10Tk	<input type="text"/>
<input type="button" value="Total"/>	
<input type="button" value="Clear"/>	<input type="button" value="EXIT"/>

### 3. User Output:

Provide a brief description of the main screens and their purposes within the Cash Counter system.

The screenshot displays the 'Cash Counter' application window. On the left, there are seven input fields for different denominations: 1000Tk (value 1), 500Tk (value 2), 200Tk (value 3), 100Tk (value 4), 50Tk (value 5), 20Tk (value 6), and 10Tk (value 7). Below these is a green 'Total' button and a cyan 'Clear' button. The main display area on the right shows the title 'Cash Counter', the date and time 'Thu Jun 22 22:09:38 BDT 2023.', and a list of calculations: 1000X = 1 X 1000 = 1000, 500X = 2 X 500 = 1000, 200X = 3 X 200 = 600, 100X = 4 X 100 = 400, 50X = 5 X 50 = 250, 20X = 6 X 20 = 120, and 10X = 7 X 10 = 70. The total calculated is 'Total = 3440'. A red 'EXIT' button is located at the bottom right of the window.

## Dependencies

NetBeans IDE 8.2: NetBeans IDE lets you quickly and easily develop Java desktop. For built this project we use Java language and Java Built in Packages. After Install all packages the project will run successfully.

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