**Problem Statement**

To design/develop a cash dispensing application for use in an ATM or similar device. There is no need to request authorisation or availability of funds. The application should assume that all requests are legitimate; there will be other components of the system that will do things such as communicating with bank accounts and authorising withdrawals.

**Functionalities achieved**

The application is capable of following tasks

* *Depositing money* –any number of given denomination can be deposited in the machine
* *Checking available balance*- to display amount and denomination wise note count available in the machine
* *Withdraw Amount*- combination of various denomination notes are dispatched and the count reduced from the available stack based on below scenarios
  + Amount requested is available in machine
  + Denomination notes available are sufficient for the combination required for requested amount
  + If both of the above scenarios are not met transaction is declined and not reduction happens in available currency stack
* *Exit confirmation*- will get confirmation from user to exit application after each of above transaction.
* **Application is dynamic enough to handle all Australian currency denomination jus by adding the required denomination in static block of CashManagement Class. NO OTHER CHANGE IS REQUIRED.**
* *Exception handling* - for various scenarios to handle invalid input from users. Proper and self-explaining responses from the system to guide user through the work flow.

**KINDLY REFER INTRODUCTION DOUMENT FOR OTHER INFO**