Design Document Vending Machine

1. Description of the solution

- Main Interfaces, classes and Exceptions

**package com.vending.machine.exception**

**NotFullPaidException :** thrown when the user tries to collect an item, without paying the full amount.

**NotSufficientChangeException :** thrown when Vending machine doesn't have enough change to support the current transaction.

**SoldOutException :** thrown when user selects a product which is sold out

Design decision and data structure

All classes and their responsibilities

Description of the package

Description of the methods

Motivation of the design pattern

Flow Chart of use cases

UML Diagram

Assumptions

Risk

Benefits