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Software Requirements and Specification Document

Introduction

Purpose:
The purpose of this document is to present a detailed description of the Coffee Vending machine.
Features and requirements of the machine are explained here along with its interface system and constraints of operation

Document Conventions:
This document is created based on IEEE template for System Requirement and Specification Document

Intended Audience
1. Normal Audience who to use it as a product, to have their favourite coffee
2. Professionals / Engineers who are willing to contribute in the project
3. Analysts / Engineers who could go through document and understand the product in detail.

Product Scope:

Coffee Vending Machine is a simple machine which will provide it's customers their favourite beverage on spot, on demand. CVM has a ~~uter~~ ~~fri~~ very user-friendly interface system and user could choose from a a large list of coffee varieties to order their favourite cup.

Overall Description

Product Perspective:

CVM is developed for everyone from coffee lovers to random people who drink coffee to get rid of their laziness. With its vast variety of coffee styles ~~and offer~~ , affordable rate and easy handling, CVM provides convinience to its customers.

Product Functions:

1. Accept user input
2. Provides ~~with~~ a menu with variety of coffee styles

3. Ask for confirmation for the specified style, amount and price
4. Payment is done before preparation
5. ~~Provides d~~ Confirmation of payment with receipt
6. ~~Uses~~ Actively check for quantity of raw materials
7. ~~P~~ Prepare perfect coffee by using appropriate amounts of raw materials
8. Dispatches the coffee in a mug through dispatcher

Product Features

1. Soft and tangible keypad of user input
2. User-friendly interface with LCD screen
3. Menu shows list of coffee varieties along with their price
4. ~~B~~ Along with cash, accepts different online payment modes
5. Actively check availability of raw material
6. Specified coffee is prepared with accurate proportions of raw materials
7. Dispatch ~~the~~ coffee through a dispatcher only if mug is placed in dispatcher tray.