** MINISTRY OF EDUCATION AND TRAINING**

**FPT UNIVERSITY**

Capstone Project Document

Smart Buy

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| **Capstone Project code** | SmartB |

-Ho Chi Minh City, 01/2014-

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# Report No. 1 Introduction

## Project Information

* Project name: **Smart Buy**
* Project Code: **SmartB**
* Product Type: **Website, Phone Application**
* Start Date: **January 7th, 2014**
* End Date:

## Introduction

People go shopping every day. They buy clothes, books, stationeries, etc… and the most important thing is food. They often buy them at their familiar markets, or the nearest one. Today, together with the growing of using smart phone, we should find a smarter way to do our daily jobs. Our system will help users to find the price of the product in the market, keep track of the price fluctuation, suggest the best way to buy a list of product, etc…

## Current Buying Habits

Below are some buying habits:

* At familiar markets: Here, people only go to some fixed markets every day. They are familiar with them, so they don’t want to go to somewhere else.
* At the nearest markets: People in this type like buy things at the nearest place. Travel distance is a matter to them, not the price.
* At random markets: The last one, people with this habit often go to any markets to buy things they need. The travel distance or the price is not the matter to them.

## Problem Definition

Below are the advantages and disadvantages of current buying habits:

* At familiar markets

+ Advantages: Familiar with many things there, price maybe cheaper, the quality can be trusted.

+ Disadvantage: Can’t explore new things at new markets.

* At the nearest markets

+ Advantages: Save time and effort.

+ Disadvantages: Price can be high, quality can’t be trusted.

* At random markets

+ Advantages: Have the latest info of many markets.

+ Disadvantages: Price can be high, quality can’t be trusted.

## Proposed Solution

The system is intended to be used by every people who have smart phone or laptop, and Internet connection. The system will have following functions:

### **Feature functions**

* Admins can manage the system, manage accounts, and configure system.
* System can parse, suggest, and recommend product price in days or requests.
* Staffs can create and update new users, manual input product price, and make statistic.
* Users can request to view the price, ask for the best buying way, and update product price.

### Advantages and disadvantages

The advantages and disadvantages of the proposed solution:

* Advantages: Provide latest price to users, help users buy things with the lowest price and shortest travel distance.
* Disadvantages: Users must have smart phones or laptops to use this system. Internet connection is required to have the latest information.

## Functional Requirements

Function requirements of the system are listed as below:

### Data Management

* System will parse data from many websites automatically at specific time.
* Staffs can force the system to parse data any time.
* Staffs can input data manually or by importing excel file.
* Staffs can make statistics.
* Users can update product price for today.

### Suggestion

* System can suggest the best way to buy products to the user.

### User Management

* Staffs can add/edit/activate/deactivate users.

### Market Management

* The admin can add/edit/activate/deactivate markets.

## Role and Responsibility

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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Table 1: Roles and Responsibility