** MINISTRY OF EDUCATION AND TRAINING**

**FPT UNIVERSITY**

Capstone Project Document

Find Fit Shoes

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| **Capstone Project code** | FFS |

-Ho Chi Minh City, 09/2014-

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# Report No. 1 Introduction

## Project Information

* Project name: **Find Fit Shoes**
* Project Code: **FFS**
* Product Type: **Website**
* Start Date: **Sep 9th, 2014**
* End Date:

## Introduction

In recent years, the development of e-commerce in Vietnam has brought significant changes and conveniences in our life. Instead of going to the conventional retail stores to choose the things to buy in tradition way, we can order many kinds of products by online shopping. There are a number of e-commerce websites which allow us to buy a wide range of items, and delivery to our homes which can save time and reduce cost, but they also have some disadvantages. We usually see product through some pictures and details, and if we want to experience the product before purchase, they do not permit that. For example, when we want to buy some shoes, it is impossible to feel how the shoes fit due to different shoe-size systems.

That’s why users have had the frustrating experience of ordering shoe online, only to find that the shoes do not fit their feet comfortably. And when they have to return back, it’s really time-consuming and cost-ineffective for both buyer and seller. Our system will, therefore, help users to deal with this problem, find the shoes which fit to their true size on the current selling shoe websites in Vietnam and support users order them.

## Current selling shoes websites in Vietnam

Most of current e-commerce website, particularly in Vietnam, just sell shoe like other items. They have search and filter functions based on some criteria like brand, style, price, color, origin and so on. Consumers usually decide to order a product which rely on some descriptions and images that provided from these websites such as zalora.vn, lazada.vn, giaytot.com, giayworld.com, etc. Some websites have the articles or tips that guide user how to choose the shoes fit to their size. However, no website, currently, has any functions that allow consumers to input their feet size in order to calculate their true shoe size in different shoe-size system and suggest the shoes fit to them.

## Problem Definition

Below are the advantages and disadvantages of current selling shoes websites**:**

* Advantages:
* Easy to search or get information about the products.
* Convenient and cost effective.
* Good and sometimes free delivery service.
* Disadvantage:
* Informative but not enough helpful for consumers to choose the right size.
* Time-consuming to compare products among websites.
* Not supportive in determining shoe size based on foot size.

## Proposed Solution

The system will support users to input their foot size to determine shoe size in the different system and suggest the shoes that are sold at the parsed websites in Vietnam then support to order them. The system will have the following functions:

### **Feature functions**

* Administrators can manage the system, manage accounts, and configure system.
* System can parse the current selling shoe websites to get the information, recommend or suggest shoes that fit user’s size, support order product online.
* Staff will define or configure and train the parser to collect from other webs to our system.
* Users can calculate their shoe size based on inputted feet size, search the available products in the parsed website.

### Advantages and disadvantages

* The advantages and disadvantages of the proposed solution:
* Advantages:
* Providing functions that suggest shoes that fit customers.
* Get review from previous customer, rating.
* Calculating shoe size based on customer’s foot size.
* Inputting customer’s size and store their information for next time.
* Supporting customer to order products from the parsed websites.
* Disadvantages:
* Only supporting on PC with the internet connection. Do not run cross-platform.
* Product information will be out of date if do not update data frequently.

## Functional Requirements

Function requirements of the system are listed as below:

### Data Management

* Staff can force the system to parse data any time.
* Staff can input data manually.
* Staff can compile statistics.
* Staff trains the parser system to collect more precisely data.

### System Management

* System evaluates the inputted products to give recommendation.
* System will parse data from many websites automatically at specific times.

### Suggestion

* System can suggest the suitable shoes from the products available at the parsed websites to the user which meet customer’s criteria.

### Calculate Shoe Size

* Guide user to measure their foot size; calculate the true shoe size based on their inputted information.
* To find the shoe size based on two way determining: length of foot (centimeter) and width of foot (centimeter). After calculate size length or width of foot, based on chart indicates measurements for the men’s shoe sizes, women's shoe sizes, children's shoe sizes to suggest suitable product .

Reference: “The Foolproof Way to Finding Your True Shoe Size” - <http://www.ebay.com/gds/The-Foolproof-Way-to-Finding-Your-True-Shoe-Size-/10000000177630037/g.html>”

## Role and Responsibility

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Table 1: Roles and Responsibilities