**<**SHOES PURCHASE**>**

**Software Development Plan (Small Project)**

**Version <1.**1**>**

**Revision History**

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 04.11.2022 | <1.0> | Discuss the general instructions, making basics | All members of Group03 |
| 11.11.2022 | <1.1> | Update the project plan | All members of Group03 |
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# **Introduction**

The introduction of this website is to provide an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this **website**.

## **Purpose**

The purpose of this Website is to post many kinds of shoes of providers which is for customers(users) search the website, see and purchase their favours..

* It describes the approach to the development of the software and is the top-level plan generated and used by managers to direct the development effort.

Types of people using this website:

* Administrator: Manage the website like uploading new products, the orders,...
* Registered User: Can access to the website with an account, select products to the cart, can also purchase products.
* Guest(without an account): Just can visit the website, not be able to buy something.

## **Scope**

This *Software Development Plan* describes the overall plan to be used by the Shoes Purchasing project, including deployment of the product. The details of the individual iterations will be described in the Iteration Plans.  
The plans as outlined in this document are based upon the product requirements as defined in the *Vision Document*.

## **Overview**

This *Software Development Plan* contains the following information:

Project Overview — provides a description of the project's purpose, scope, and objectives.  It also defines the deliverables that the project is expected to deliver.

Project Organization — describes the organizational structure of the project team.

Management Process — How will the project can be managed after every development.

# **Project Overview**

## **Project Purpose, Scope, and Objectives**

This Software Development Plan consists of some bellowing information:

* Project Purpose: Shoes Purchase is a place for people who want to update the trendy shoes products or buy shoes.
* Scope: This *Software Development Plan* describes the overall plan to be used by the Shoes Purchase project, including deployment of the product. The details of the individual iterations will be described in the Iteration Plans. The plans as outlined in this document are based upon the product requirements as defined in the *Vision Document*.
* Objectives: to make new shoes style, bring to customers high-quality shoes.

## **Assumptions and Constraints**

* Strategic risk: Insurance IT market is immature.
* Process risk: Disconnection between each member of a team (drop course, illness,..).
* Technical risk: Over emphasis on the technology and neglect of process.
* Budget: The limitation of budget in hiring a host
* Equipment: Do not have enough time to research for good database
* Staff: 5 people without experience in web-development can be a big challenge to develop it on time.
* Schedule: Have the probability to be late in completing the website because of lack of time for doing a large amount of deadlines in many different subjects.

## **Project Deliverables**

Delivery dates: At the end of this course (about 3.5 months)

Product: A Shoes Purchasing Website

# **Project Organization**

## **Organizational Structure**

Management: Our team is divided into 3 small teams: writing report team (involved in making jira, monitoring time, support if needed as well), front-end team, back-end team, specially we have a supervisor-our theory lecturer Nguyen Minh Huy.

Review authorities: During the time doing this project, we have many team-meetings (both offline and online) so as to make sure that every member in team knows what is going on with the project, discuss and decide what to do next together.

## **Roles and Responsibilities**

| **Person** | **Role** |
| --- | --- |
| Võ Văn Hoàng  (20127028) | Developer(Front-end), Tester |
| Nguyễn Đức Minh  (20127049) | Data analysis, Developer(Front-end) |
| Ngô Văn Trung Nguyên  (20127054) | Data manager, Designer(UI-UX) |
| Nguyễn Minh Tuấn  (20127092) | Developer(Back-end), Tester |
| Phan Thành Lập  (20127547) | Project manager, Developer(Bank-end) |

# **Management Process**

## **Project Estimates**

None

## **Project Plan**

### *Phase Plan*

— Work Breakdown Structure (WBS) — optional for small projects

+Sign-in, Log-in, Log-out

+ Product information

+ Product images

+ Select size, colour of products into shopping cart

+ Comment and review

+ Report

+ Search products

+ Share link

+ Category and best seller

+ Report

+ Rate Star and give a tips

+ Manage order, sales

+ Payment

— A timeline or Gantt chart showing the allocation of time to the project phases or iterations:

**PA0:**

15.10.2022-29.10.2022: Decide which idea is chosen for the project so that it is suitable with the team’s ability.

**PA1:**

30.10.2022-12.11.2022: Publish the beginning version of the documents where it contains the website’s requirements analysis, role of team’s members and planning for project.

Setup the channels for communication and sharing the project difficulties between team’s member as well as the monitor , storage and control project(github,...).

**PA2:**

13.11.2022-26.11.2022: Complete the project proposal planning. Complete,test and upgrade the front-end of the admin as well as fulfill API from back-end.

Update documents.

**PA3:**

27.11.2022-10.12.2022:Complete the project proposal planning. Complete,test and upgrade the front-end of the user as well as fulfill API from back-end.

Update documents.

**PA4:**

11.12.2022-26.12.2022: Complete general the main features of the project. Testing which ensures the website works well. After that, upgrade the additional features.

Update documents.

**PA5 → PA6:**

27.12.2022-release: Testing the whole project and removing the additional feature added before if it does not work well.

—Identify major milestones with their achievement criteria:

26.11.2022: Must finish the register and login system because it relates to a lot of important features

10.12.2022: Complete the collected data: providers, products and the interact dashboard.,...

26.12.2022: Check and connect all the member’s work, check and make sure for representation.

### *Iteration Objectives*

**PA0:** Meet team member and decide which project to make

**PA1:** Writing initial documents about project

**PA2:** Register/login system, product image, making some of the basic of front-end

**PA3:** Buying system, category, best seller, review and comment system,...

**PA4:** Search, check and finish the web

**PA5 → PA6:** Maintain and ready for representation

### *Releases*

26.11.2022:

Must finish the register and login system because it relates to a lot of important features

10.12.2022:

Complete the collected data: providers, products and the interact dashboard.,...

26.12.2022:

Check and connect all the member’s work, check and make sure for representation.

### *Project Schedule*

| **Date** | **Detailed work** |
| --- | --- |
| **15.10.2022-29.10.2022** | Give decision to do which project |
| **30.10.2022-12.11.2022** | Making general plan and vision document for this project  Set up Github |
| **19.11.2022** | Release the register and login system |
| **13.11.2022-26.11.2022** | Finish basic main page, finish login/register system, login/register page, research product images, finish profile page, show image page,...  Fulfill API from back-end |
| **27.11.2022-10.12.2022** | Making category page, best seller page, product cart, finish buying system,... |
| **3.12.2022** | Release: Dashboard of the website with main features |
| **11.12.2022-26.12.2022** | Finish search, making data collection, build comment, review system, finish what is left |
| **20.12.2022** | Release: Review, rate and comment system |
| **27.12.2022-release** | Try to solve any problems that come up and complete this website |

### *Project Resourcing*

- Special training: have to learn knowledge not only at school but also self-stude: according to their main field in this project, they have to study more about their responsibility.

## **Project Monitoring and Control**

### *Requirements Management*

The requirements for this system are captured in the Vision document. Requested changes to requirements are captured in Change Requests, and are approved as part of the Configuration Management process.

### *Reporting and Measurement*

Updated schedule estimates, and metrics summary reports, will be generated at the end of each iteration.

### *Risk Management*

Risks will be identified in Inception Phase using the steps identified in the RUP for Small Projects activity “Identify and Assess Risks”. Project risk is evaluated at least once per iteration and documented in this table. The risks of the greatest magnitude are listed first in the table.

| **Risk Ranking**  **(High, Medium, Low)** | **Risk Description and Impact** | **Mitigation Strategy and/or Contingency Plan** |
| --- | --- | --- |
| High | The time for requirements is not enough | Mitigation solution: split big work into small pieces, usually encourage members, check the work of each small team daily, weekly. |
| Moderate | Each work only have 1 member does | Avoid solution: share each work in small team, create team meetings regularly. |
| Moderate | Inefficient meetings because of absent members | Give strict regulations: delete team members who are absent from the meeting over 3 times without suitable reasons and find alternative member immediately. |
| High | Communication of team | Mitigation solution: if team members do not know each orther before, offline meeting is encouraged to improve the team relationship. |
| High | Lack of skill, knowledge | Avoid solution: leader have the responsibility to follow and support low-skilled members such as: give more academic materials, team learning together,.. |

### *Configuration Management*

None