

Trendy shop website
Software Development Plan (Small Project)
Version 1.3

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Revision History

Date	Version	Description	Author
20/10/2024	1.0	Edit section 1: 1.1; 1.2; 1.3	Lại Ngọc Phương Nam
21/10/2024	1.1	Edit section 2: 2.1; 2.2; 2.3	Lại Ngọc Phương Nam
23/10/2024	1.2	Edit section 3: 3.1; 3.2	Lương Xuân Thanh
24/10/2024	1.3	Edit section 4: 4.1	Lương Xuân Thanh
25/10/2024	1.4	Edit section 4: 4.2; 4.3	Nguyễn Văn Tú

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Software Development Plan (Small Project)

1. Introduction

The Software Development Plan offers a summary of the entire document. It outlines the purpose, scope, definitions, acronyms, abbreviations, references, and gives a general overview of the plan.

1.1 Purpose

The purpose of the *Software Development Plan* is to gather all information necessary to control the project. 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.

The following people use the *Software Development Plan*:

- The **project manager** uses it to plan the project schedule and resource needs, and to track progress against the schedule.
- **Project team members** use it to understand what they need to do, when they need to do it, and what other activities they are dependent upon.

1.2 Scope

This *Software Development Plan* describes the overall plan to be used by the Trendy shop website 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*.

1.3 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.

2. Project Overview

2.1 Project Purpose, Scope, and Objectives

- Name of product: SoftWare (Clothing Sales Management Website).
- Detail about website: Management system for buyers and sellers, allowing sellers to post clothing items and buyers to select suitable clothes for purchase, all under the management of an admin.
- Objectives: Complete the website so that both clothing buyers and sellers can easily use it as a clothing e-commerce platform throughout the semester.

2.2 Assumptions and Constraints

- Member: All members of the group SoftWear.
- Project implementation time: 30/09/2024 - 14/12/2024.
- Budget: 20000USD

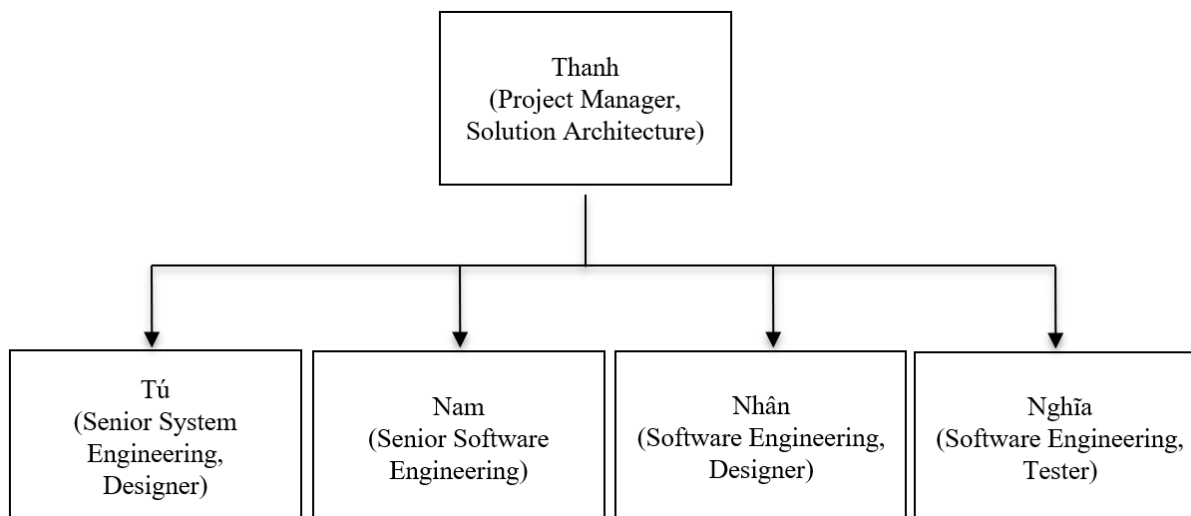
2.3 Project Deliverables

Deliverables for each project phase are identified in the Development Case. Deliverables are delivered towards the end of the iteration, as specified in section 4.2.4 *Project Schedule*.

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3. Project Organization

3.1 Organizational Structure



3.2 Roles and Responsibilities

Person	Role
Thanh, Project Manager	Responsible for the operation and maintenance of the project. Managing project plans and schedules. Also responsible for the deployment and architecture.
Tú, Senior System Engineering	Responsible for the system integration and designing, including backend and frontend
Nam, Senior Software Engineering	Responsible for the development and building of the frontend and backend system of the product.
Nhân, Software Engineering	.Responsible for the development and building of the frontend and backend system of the website.
Nghĩa, Tester	Responsible for the testing system, reporting system errors and issues before deploying the product to end-users

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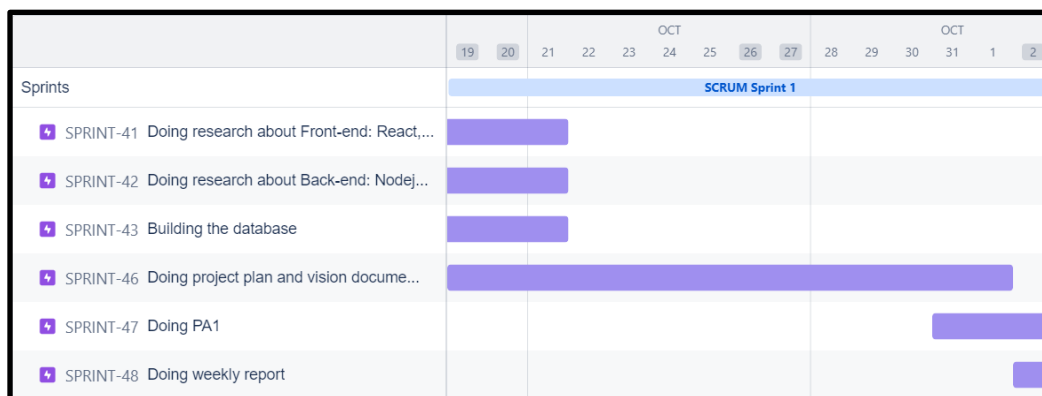
4. Management Process

4.1 Project Estimates

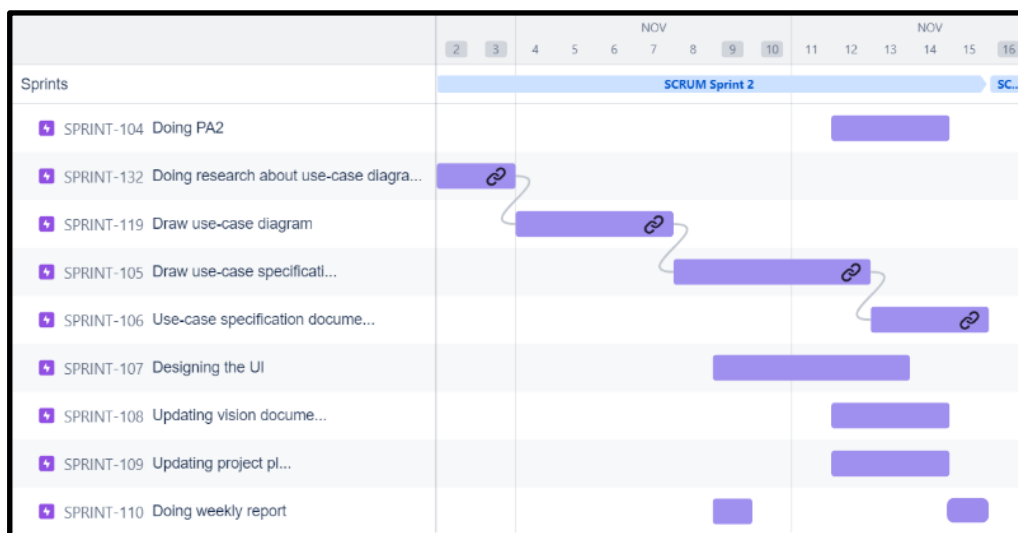
Có tổng cộng 5 sprint, mỗi sprint sẽ được thực hiện trong vòng 2 tuần, tổng thời gian hoàn thành dự án được ước tính khoảng 2 tháng rưỡi.

Sau mỗi sprint sẽ tính lại chi phí cũng như thời gian hoàn thành dự án.

4.2 Project Plan

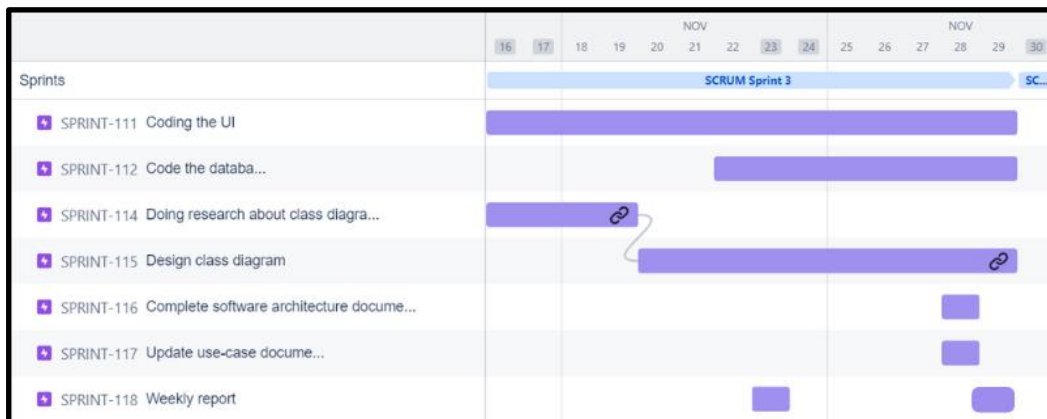


Sprint 1

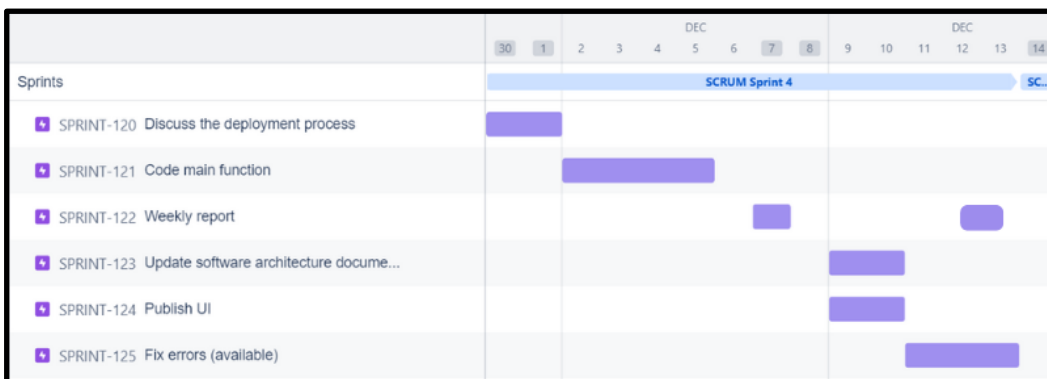


Sprint 2

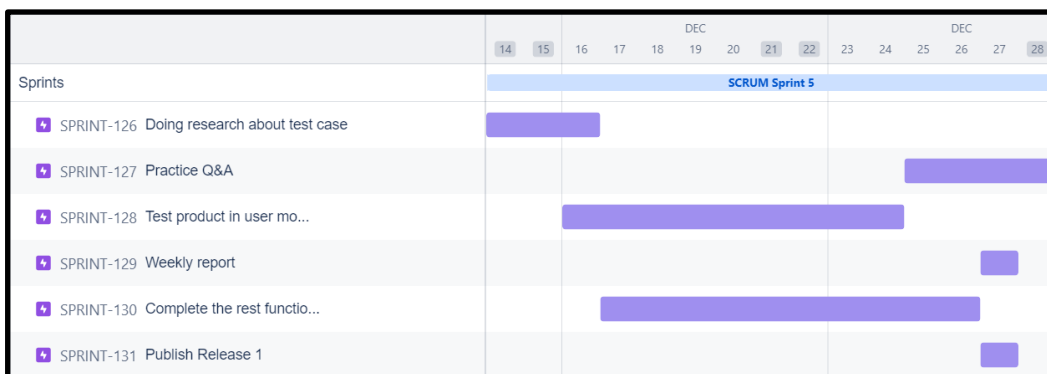
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Sprint 3



Sprint 4



Sprint 5

4.3 Project Monitoring and Control

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4.3.1 Requirements Management

The requirements for this system are captured in the Vision document. Requested changes to requirements are captured in Change Requests // (Có thể sửa thành Jira), and are approved as part of the Configuration Management process.

4.3.2 Reporting and Measurement

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

The Minimal Set of Metrics, as described in the RUP [Guidelines: Metrics](#), will be gathered on a weekly basis. These include:

Earned value for completed tasks. This is used to re-estimate the schedule and budget for the remainder of the project, and/or to identify need for scope changes.

Total defects open and closed – shown as a trend graph. This is used to help estimate the effort remaining to correct defects.

Acceptance test cases passing – shown as a trend graph. This is used to demonstrate progress to stakeholders.

In addition, overall costs will be monitored against the project budget.

4.3.3 Risk Management

Risks will be identified in the 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
Very Critical	Training requirements are not immediately met.	Organize training for members. Everyone supports each other (Sharing experience, knowledge).
Ignorable	Asynchrony in the use of tools and technologies.	Agree on the technological tools for development.
Ignorable	Inconsistency in working methods and work environment.	Agree on group working principles. Spirit of "one for all and all for one."
Critical	Conflicts between team members.	Prevent conflicts from occurring; if they occur, resolve them quickly and thoroughly.
Critical	Work progress is not ensured.	All members support each other in the work. If there are difficulties, they must be communicated for support. Everyone needs to work with the mindset of prioritizing the team's goals above all.

4.3.4 Configuration Management

Appropriate tools will be selected which provide a database of Change Requests and a controlled versioned repository of project artifacts.

All source code, test scripts, and data files are included in baselines. Documentation related to the source code is also included in the baseline, such as design documentation. All customer deliverable artifacts are included in the final baseline of the iteration, including executables.