Babyshop

Version 1.0

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 09/Dec/24 | 1.0 | Init document and fill project information | Bao Nguyen |

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# 

# Introduction

[The introduction of the **Software Development Plan** should provide an overview of the entire document. It should include the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this **Software Development Plan**.]

## Purpose

This document will provide an overview of project information.

## Scope

This project only present the plan for software development project what is development the e-commerce system for selling baby toys and teddy-bear.

## Definitions, Acronyms, and Abbreviations

### Definitions

NONE

### Acronyms

|  |  |  |
| --- | --- | --- |
| **Acronyms** | **Meaning** | **Description** |
| SD | Software Development |  |
| PLN | Plan |  |
| TSK | Task |  |

### Abbreviations

NONE

## References

|  |  |  |
| --- | --- | --- |
| **ID** | **Document** | **References** |
| doc-01-sdpln | Software Development Plan |  |
| doc-02-vis | Vision Document |  |
| doc-03-srs | Software Requirement Specification |  |
| doc-04-ucspec | Use-case specification Document |  |
| doc-05-sad | Software Architecture Document |  |
| doc-06-tstpln | Test Plan |  |
| doc-07-tsteval | Test Evaluation Summary |  |

## Overview

Document define the information of this project and the software process which is used for software development, definition of done with the project goal.

# Project Overview

## Project Purpose, Scope, and Objectives

The purpose of this project is to develop an e-commerce for selling toys and teddy bear for children.

The scope of this project is:

* To develop a website for customers to be able to search detail information of items which they want buy for their children.
* To develop an admin dashboard for the employees of the company to control orders and manage production information.
* The system support integration with payment gateway services for customers to be able to checkout their orders online.

The objectives of this project are:

* Deliver the system for business requirements.
* Deliver the document of the system.
* Deploy the system to sever and publish the system as a production.

## Assumptions and Constraints

[A list of assumptions that this plan is based and any constraints, for example. budget, staff, equipment, schedule, that apply to the project.]

The project will be developed in 03 months with the budget of 100.000 USD.

The staff which join to this project have 2 teams:

* The business team of client who will present the business requirement.
* The development team have responsibility to analyze the requirements, design system, implementation, testing and deploy the system to production.

## Project Deliverables

[A tabular list of the artifacts to be created during the project, including target delivery dates.]

|  |  |  |
| --- | --- | --- |
| **#** | **Delivery items** | **Delivery dates** |
| 1 | SRS Document | week-01 |
| 2 | System Design Document | week-02 |
| 3 | Release website for customers | week-03 to week-08 |
| 4 | Release admin dashboard | week-09 to week-10 |
| 5 | Deploy system to production server | week-11 |
| 6 | Publish system and guide the client’s employees to operate the system | week-12 |

## Evolution of the Software Development Plan

[A table of proposed versions of the **Software Development Plan**, and the criteria for the unscheduled revision and reissue of this plan.]

|  |  |
| --- | --- |
| **Version** | **Description** |
| 1.0 | The system is only developed for basic business requirements. This is the current version now. |
| 2.0 | The system support for online payment. |
| 3.0 | The system will be integrated with the shipping services. |
| 4.0 | The system can manage the storage. |
| 5.0 | The system can support AI to automatically process the orders and integrate AI chatbot to support customers. |

# Project Organization

## Organizational Structure

[Describe the organizational structure of the project team, including management and other review authorities.]

|  |  |
| --- | --- |
| **Team name** | **Description** |
| Business team | The team of clients who will present the business requirements. |
| Development team | The team who will develop the system. |
| Project manager | The person in the Development who will control the progression of the project. |

## External Interfaces

[Describe how the project interfaces with external groups. For each external group, identify the internal and external contact names.]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **External Group Name** | **External Group Name** | **Internal Contact** |
| BUS | Business team | Mr. Vinh – CEO vinh@babyshop.com | Mr. Huy – PM huy@sestud.io |
| 2RUS | Payment Gateway Service team | Mr. Bao – Technical Lead bao@vnpay.vn | Mr. Huy – PM  huy@sestud.io |

## Roles and Responsibilities

[Identify the project organizational units that will be responsible for each of the disciplines, workflow details, and supporting processes.]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Role** | **Name** | **Responsibility** |
| 1 | Project Manager | Huy Nguyen | Control the progression and the quality of the project. |
| 2 | Business analyst | Huy Nguyen | Analyze requirements and conntract with client. |
| 3 | Developer | Vinh Le, Bao Nguyen | Design and develop the system. |
| 4 | Quality Controller | Bao Nguyen | Control the quality of the system. |

# Management Process

## Project Estimates

[Provide the estimated cost and schedule for the project, as well as the basis for those estimates, and the points and circumstances in the project when re-estimation will occur.]

We use Use-cases Point method to analysis and estimate the project with parameters:

* Unadjusted Use Cases Weight (UUCW).
* Unadjusted Actor Weight (UAW).
* Technical Complexity Factor (TCF).
* Environmental Complexity Factor (ECF).
* The formula of Use Cases Analysis is:
* **UPC** is presenting the Cost (Hours) for estimated schedule of the project. So that the total value of the project will be presented by this formula:

Withmanhour value:

When the business requirement got changed, all stakeholders will discuss and re-estimate project with changed use-cases.

## Project Plan

### Phase Plan

[Include the following:

* Work Breakdown Structure (WBS)
* a timeline or Gantt chart showing the allocation of time to the project phases or iterations
* identify major milestones with their achievement criteria

Define any important release points and demos.]

### Iteration Objectives

[List the objectives to be accomplished for each of the iterations.]

### Releases

[A brief description of each software release and whether it’s demo, beta, and so on.]

### Project Schedule

[Diagrams or tables showing target dates for completion of iterations and phases, release points, demos, and other milestones.]

### Project Resourcing

#### Staffing Plan

[Identify the numbers and type of staff required here, including any special skills or experience, scheduled by project phase or iteration.]

#### Resource Acquisition Plan

[Describe how you will approach finding and acquiring the staff needed for the project.]

#### Training Plan

[List any special training project team members will require, with target dates for when this training should be completed.]

### Budget

[Allocation of costs against the WBS and the Phase Plan.]

## Iteration Plans

[Each iteration plan will be enclosed in this section by reference.]

## Project Monitoring and Control

### Requirements Management Plan

[Enclosed by reference.]

### Schedule Control Plan

[Describe the approach taken to monitor progress against the planned schedule and how to take corrective action when required.]

### Budget Control Plan

[Describe the approach to be taken to monitor spending against the project budget and how to take corrective action when required.]

### Quality Control Plan

[Describe the timing and methods to be used to control the quality of the project deliverables and how to take corrective action when required.]

### Reporting Plan

[Describe internal and external reports to be generated, and the frequency and distribution of publication.]

### Measurement Plan

[Enclosed by reference.]

## Risk Management Plan

[Enclosed by reference.]

## Close-out Plan

[Describe the activities for the orderly completion of the project, including staff reassignment, archiving of project materials, post-mortem debriefings and reports, and so forth.]

# Technical Process Plans

## Development Case

[Enclosed by reference.]

## Methods, Tools, and Techniques

[List the documented project technical standards, etc., by reference:

* Business Modeling Guidelines
* User Interfaces Guidelines
* Use-Case-Modeling Guidelines
* Design Guidelines
* Programming Guidelines
* Test Guidelines
* Manual Style guide]

## Infrastructure Plan

[Enclosed by reference]

## Product Acceptance Plan

[Enclosed by reference]

# Supporting Process Plans

## Configuration Management Plan

[Enclosed by reference]

## Evaluation Plan

[As part of the **Software Development Plan,** this describes the project’s plans for product evaluation, and covers the techniques, criteria, metrics, and procedures used for evaluation— this will include walkthroughs, inspections, and reviews. Note that this is in addition to the Test Plan, which is not enclosed in the **Software Development Plan**.]

## Documentation Plan

[Enclosed by reference.]

## Quality Assurance Plan

[Enclosed by reference.]

## Problem Resolution Plan

[Enclosed by reference.]

## Subcontractor Management Plan

[Enclosed by reference.]

## Process Improvement Plan

[Enclosed by reference.]

# Additional Plans

[Additional plans if required by contract or regulations.]

# Annexes

[Additional material of use to the reader of the **Software Development Plan**.]

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