

**International School**

PROJECT

**CMU-SE-100**

PRODUCT BACKLOG DOCUMENT

Version 1.2

Date: … – … – 202…

**CTE-LEARNING**

**Submitted by**

Team: 5

* Le Hai Dang
* Nguyen Phan Vinh
* Thai Thanh Cong
* Huynh Tan An
* Tran Anh Quang

**PROJECT INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project acronym** | Clothers App | | |
| **Project Title** | Online Clothing Store | | |
| **Start Date** | 19 OCT 2024 | **End Date** | 12 Dec 2024 |
| **Lead Institution** | International School, Duy Tan University | | |
| **Project Mentor** | Msc. Thuan, Nguyen Trung | | |
| **Scrum master / Project Leader & contact details** | Email: [hd1732005@gmail.com](mailto:hd1732005@gmail.com)  Tel: 0384656371  Name : Dang,Le Hai | | |
| **Partner Organization** |  | | |
| **Project Web URL** | [**https://www.figma.com/design/m2WLPUCH9yWJHefzKGabJc/App-B%C3%A1n-H%C3%A0ng-Cmu?node-id=287-24&t=GnQC9eWNbjcfjmGp-1**](https://www.figma.com/design/m2WLPUCH9yWJHefzKGabJc/App-B%C3%A1n-H%C3%A0ng-Cmu?node-id=287-24&t=GnQC9eWNbjcfjmGp-1&fbclid=IwZXh0bgNhZW0CMTAAAR2-fAtE7C0_tpjugBPtPxtHZNPSrGBR1zXtXQPtmact6Ku_wdV1LhqRHAo_aem_iu6Mumyan1htLnuuA_dw-w) | | |
| **Team members** | Name | Email | Tel |
| Member | Quang,Tran Anh | [xuhexxit1@gmail.com](mailto:xuhexxit1@gmail.com) | 0987490015 |
| Leader | Dang,Le Hai | [hd1732005@gmail.com](mailto:hd1732005@gmail.com) | 0384656371 |
| Member | An,Huynh Tan | [huytanan2@gmail.com](mailto:huytanan2@gmail.com) | 0905986054 |
| Member | Vinh,Nguyen Phan | woasoaicaphanvinh@gmail.com | 0847849840 |
| Member | Cong,Thai Thanh | doem579@gmail.com | 0565001797 |

**DOCUMENT INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Title** | Project Backlog | | |
| **Author(s)** | Team 5 | | |
| **Role** | Product\_Backlog \_v1.4 | | |
| **Date** | 19 OCT-12DEC | File name | Product\_Backlog\_group5 |
| **URL** | [**https://www.figma.com/design/m2WLPUCH9yWJHefzKGabJc/App-B%C3%A1n-H%C3%A0ng-Cmu?node-id=287-24&t=GnQC9eWNbjcfjmGp-1**](https://www.figma.com/design/m2WLPUCH9yWJHefzKGabJc/App-B%C3%A1n-H%C3%A0ng-Cmu?node-id=287-24&t=GnQC9eWNbjcfjmGp-1&fbclid=IwZXh0bgNhZW0CMTAAAR2-fAtE7C0_tpjugBPtPxtHZNPSrGBR1zXtXQPtmact6Ku_wdV1LhqRHAo_aem_iu6Mumyan1htLnuuA_dw-w) | | |
| **Access** | Project and CMU Program | | |

**REVISION HISTORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Person(s)** | **Date** | **Description** | **Approval** |
| Final | Dang | 11 - Dec - 2024 | Initiate document | Dang |

**TABLE OF CONTENTS**

[1. Introduction 5](#_Toc92246893)

[1.1 Purpose 5](#_Toc92246894)

[1.2 Scope 5](#_Toc92246895)

[2. Product Backlog 5](#_Toc92246896)

[2.1 Product Backlog Specification 5](#_Toc92246897)

[2.2 Break down into Sprint Backlog 11](#_Toc92246898)

[3 Constraint 13](#_Toc92246899)

[4 Stakeholders and User Descriptions Summary 13](#_Toc92246900)

# Introduction

The agile product backlog in Scrum is a prioritized features list, containing short descriptions of all functionality desired in the product. When applying Scrum, it’s not necessary to start a project with a lengthy, upfront effort to document all requirements. Typically, a Scrum team and its product owner begin by writing down everything they can think of for agile backlog prioritization. This agile product backlog is almost always more than enough for a first sprint. The Scrum product backlog is then allowed to grow and change as more is learned about the product and its clients.

## 1.1 Purpose

* Provide a prioritized features list, containing short description of all functionality desired in the product.
* Lists everything that the product owner and Scrum team feels should be included in the software they are developing.
* Provide a prioritized features constraint list.

## 1.2 Scope

* Lists the management system’s module role.
* Lists some main function of system manager.
* Short description of all the functionality desired in the product.
* Given the priority of each feature and function of the product.

# Product Backlog

## Product Backlog Specification ( user )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** |
| PB01 | Register | User | Register account | I can access the system |
| PB02 | Login | User | Access to the system by my account | I can use the system with my role |
| PB03 | Logout | User | Add user | I can stop using system. I can log in later when I want to use system on next time. |
| PB04 | Change password | User | Change my password | I can keep it secure or make it easier to remember |
| PB05 | Forgot Password | User | Forgot Password | I can to get back my password account |
| PB06 | Reset password | User | Reset password | I can Reset password |
| PB07 | Edit profile | User | Edit profile | I can keep up with the latest information |
| PB08 | View profile | User | View profile | I can view my profile for customers to see |
| PB09 | Post announcements, school activities | User | Add product | Users can add products to the cart while browsing products |
| PB10 | Choose payment method | User | Pay | Users can choose payment methods such as credit cards, e-wallets, cash on delivery (COD), etc. |
| PB11 | View cart | User | Adjust shopping cart | Users can review their shopping cart, adjust product quantities or delete products they do not want to buy. |
| PB12 | Use discount code | User | discount | Users can enter discount codes or participate in promotions at checkout. |
| PB13 | Product reviews | User | Evaluate | Users can leave a review of the product they purchased (number of stars and comments). |
| PB14 | Track order status | User | Monitor | Users can track the order's delivery process (processing, shipping, delivered). |
| PB15 | Join promotions | User | promotion | Users can participate in discount programs, flash sales, or receive discount codes for future orders. |

*Table 1: Product Backlog Specification (School Leadership)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** |
| PB01 | manager | admin | Manager accounts | View and manage user accounts |
| PB02 | Edit accounts | Admin | Edit | admin can add new users, edit information or delete user accounts if needed. |
| PB03 | User authorization | Admin | authorization | Admin can delegate authority to other employees (for example, warehouse management, customer care, etc.) with different powers. |
| PB04 | Lock user accounts | admin | Lock accounts | If violations are detected, the admin can lock the user's account or suspend access. |
| PB05 | Add, edit and delete products | Admin | Product management | Admin can add new products to the system, edit product information (such as description, price, image) or delete products that are no longer for sale. |
| PB06 | Manage product catalog | Admin | Category management | Admin can create, edit or delete product categories (e.g. shirts, pants, accessories, etc.). |
| PB07 | Track and process order | Admin | Order management | Admin can view all orders, including product details, order status (processing, delivered, etc.), and payment information. |
| PB08 | Update order status | admin | Update order | Admin can change the status of an order, for example, from "Processing" to "Delivering" or "Completed". |
| PB09 | Create and manage discount codes | Admin | promotion | Admin can create discount codes for promotions, including choosing discounts by percentage, amount, or discounts by product/category. |
| PB10 | Payment tracking | Admin | Pay | Admin can check payment transactions, confirm successful payments and resolve payment issues if any. |
| PB11 | Track shipping status | Admin | shipping status | Admin can track the delivery status of orders and contact shipping units if necessary. |
| PB12 | View revenue reports | Admin | revenue | Admin can view overview reports on revenue, costs, and profits over time (day, week, month, year). |

*Table 3: Product Backlog Specification (shop)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** |
| PB01 | Manage products | *shop* | Manage store products | I can manage store products: add, edit, delete products. |
| PB02 | Update | Shop | Update product information | I can update product information such as description, price, images, and specifications. |
| PB03 | Monitor and manage | Shop | Track and manage orders | I can track and manage orders from customers. |
| PB04 | Information Shop | Shop | Manage store information | I can manage store information such as logo, description, and contact details. |
| PB05 | payment information | Shop | Pay | I can provide information about payment and delivery methods. |

*Table 4: Product Backlog Specification (Carrier)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PB01 | service | Carrier | Provide delivery service | Provide delivery service for orders from stores to customers. |
| PB02 | Information | Carrier | Information delivery status | Update information about delivery status and delivery time. |
| PB03 | Monitor | Carrier | Track delivery orders | Track failed orders and provide support to customers or stores. |
| PB04 | delivery | Carrier | delivery to users | Make delivery to the correct address and collect shipping fees if any. |

## Break down into Sprint Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| **Sprint** | **Function** | **Started day** | **Due day** |
| **SPRINT 1** | * [Server/Backend] [Server/backend] Register for buyers, Seller, Shop, Admin,Supplier. * [Server/Backend] Forgot password * [Server/Backend] Login for buyers, Seller,Shop,Admin,Supplier [Server/Backend] profile for for buyers, Seller,Shop,Admin,Supplier * [Frontend] UI dashboard for buyers, Seller,Shop,Admin,Supplier * [Frontend] Show users page for admin. * [Frontend] Show the profile | 23/10/2024 | 30/10/2024 |
| **SPRINT 2** | * [Frontend] UI for show the Shop (buyers, Seller, Shop, Admin,Supplier.) * [Frontend] UI for teamwork (Buyers,sellers) * [Frontend] UI for conversation * [Frontend] UI for receive notification * [Frontend] UI for detail page to edit profile (buyers, Seller, Shop, Admin,Supplier.) * [Server/Backend] teamwork * [Server/Backend] Edit profile * [Server/Backend] receive notification * [Server/Backend] Edit ward and then update to the system * [Server/Backend] Show detail page to edit profile(buyers,Seller, Shop,Admin,Supplier.) | 4/11/2024 | 21/11/2024 |
| **SPRINT 3** | * [Frontend] UI for post announcements (Shipper) * [Frontend] UI for post information of the ministry (Shipper) * [Frontend] UI for update sales results * [Frontend] UI for online attendance * [Frontend] UI for summary of rankings * [Server/Backend] post announcements * [Server/Backend] post information of the ministry * [Server/Backend] update Seller results * [Server/Backend] online attendance (buyers, Seller, Shop, Admin,Supplier.) * [Server/Backend] summary of rankings | 22/11/2024 | 30/11/2024 |
| **SPRINT 4** | * [Frontend] Detail page to take a day off * [Server/Backend] Update assessment homeroom Shop,clothers * [Server/Backend] send notifications to student * [Fronted] UI for the take a day off. * [Frontend] for the update assessment * [Server/Backend] send notifications to Buyers receiver. | 31/11/2024 | 8/12/2024 |

*Table 4: Break down into Sprint Backlog*

1. **Constraint**

|  |  |
| --- | --- |
| **Constraint** | **Condition** |
| **Time** | Project completion time limit in 2 months so time to complete project be restricted |
| **People constraint** | 5 people working together to finish the project |
| **The integrated system** | Must be connected to Internet network to operate |
| **Requirements** | According to Product Owner’s Requirements |

*Table 5: Constraint*

1. **Stakeholders and User Descriptions Summary**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Role** |
| **Product Owner** | The Person who give the Requirement | Provide information to develop the system. Make the decision to accept and implement the project, do the unit test |
| **Scrum Master** | This is the stakeholder who leading, manage the system development Team | Controlling, managing, monitoring, make sure the project completes on time, within budget, according to plan and according to requirements |
| **Requirement Analyzer** | This is a stakeholder that works with the Analysts to correctly translate requests or needs into requirements to be used for design | Specifies the details of one or more a part of the website’s functionality by describing one or the aspects of the requirements,  This will include functional and non-functional |
| **Software Architect** | This is a stakeholder that is primary for leading the system development | Responsible for the software architecture, which includes the key technical decisions that constrain the overall design for the project |
| **Coder** | This is a stakeholder that programs the software | Implement the project |

*Table 6: Stakeholders and User Descriptions Summary*