

**International School**

**Capstone Project 2**

**CMU-SE 451 – C2SE.12**

**Product Backlog**

**Version 1.0**

**Date: March 20th, 2021**

**Learn English Together**

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**PROJECT INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project acronym** | LET | | |
| **Project Title** | Learn English Together | | |
| **Start Date** | 26 Feb 2021 | **End Date** | 08 Jun 2021 |
| **Lead Institution** | International School, Duy Tan University | | |
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**Product Backlog Document**

**DOCUMENT NAME**

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Title** | Product Backlog Document | | |
| **Author(s)** | Le Thanh Ha | | |
| **Role** | Product Owner, Team Member, Scrum Master | | |
| **Date** | March 20th, 2021 | **File name:** | C2SE.12\_ProductBacklog\_LET\_ver1.0.doc |

**REVISION HISTORY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Person(s)** | **Date** | **Description** |
| **1.0** | Le Thanh Ha | 20-Mar-2021 | Create product backlog document |

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1. 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. 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.
  1. Scope
* Lists the user’s role.
* Write all the user’s requirements.
* Lists some main function of website.
* Short description of all the functionality desired in the product.
* Given the priority of each feature and function of the product.
  1. References

***Table 1: References***

|  |  |  |
| --- | --- | --- |
| **No** | **Reference** | **Note** |
| 1 | <http://agilebench.com/blog/the-product-backlog-for-agile-teams> | How to create product backlog |
| 2 | <http://www.mountaingoatsoftware.com/agile/scrum/product-backlog/example/> | Product Backlog Example |

1. Product Backlog
   1. Product Backlog Specification

Priority and Estimates

Priorities are set from 1 to 5.

◦ The maximum priorities are 5

◦ The minimum priorities are 1

◦ Priorities of some user stories can be the same with others

◦ If a user story has dependencies, it must have lower priority than its dependencies

**Table 1: *Product Backlog Specification (Admin)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** | **Priority** |
| PB01 | Manager accounts | Admin | Have a manager account | I can monitor and manage users account | 5 |
| PB02 | Manager groups | Admin | Have a manager group | I can monitor and manage all group | 5 |
| PB03 | Manager courses | Admin | Have a manager course | I can monitor and manage all courses | 5 |
| PB04 | Manage system | Admin | Manage the system | I can view and manage the entire system | 5 |
| PB05 | View dashboard | Admin | View dashboard | I can have an overview of the users and activity on the system | 4 |

**Table 2: *Product Backlog Specification (Volunteer)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Theme | As a/an | I want to | So that | Priority |
| PB01 | Register | Volunteer | Register an account | I can have an Account. | 5 |
| PB02 | Login | Volunteer | Login into the website | I can use the function of the web. | 5 |
| PB03 | Manager groups | Volunteer | Have a manager group | I can monitor and manage member in the group | 4 |
| PB04 | Manager events | Volunteer | Have a manager event | I can monitor and manage member in the event |  |
| PB05 | Edit my profile | Volunteer | Edit my profile. | I can update my information when information need change. | 2 |
| PB06 | Support users | Volunteer | Support user learning | I can connect and support learning for users | 4 |
| PB07 | Message | Volunteer | Chat with users in system. | I can communicate with them. | 4 |

**Table 3: *Product Backlog Specification (User)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** | **Priority** |
| PB01 | Register | User | Register an account | I can have an Account. | 5 |
| PB02 | Login | User | Login into the web | I can use the function of the web. | 5 |
| PB03 | Edit profile | User | Edit my profile | I can manage my account | 3 |
| PB04 | Learn Vocabulary | User | Learn vocabulary | I can learn vocabulary on the system | 4 |
| PB05 | Group | User | Join a group | I can participate in academic exchanges here. | 4 |
| PB06 | Join event | User | Join an event | I can participate in event activity | 4 |
| PB07 | Find random supporter | User | Find random supporters. | I can have questions answered when I have trouble. | 4 |

1. Constraint

**Table 3: Constraint**

|  |  |
| --- | --- |
| **Constraint** | **Condition** |
| **Time** | Project completion time limit in 3 months so time to complete project be restricted |
| **People constraint** | 4 people working together to finish the project |
| **Requirements** | According to Product owner’s Requirements |

1. Stakeholders and User Descriptions Summary

***Table 4: Stakeholders and User Descriptions Summary***

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Role** |
| **Product Owner** | The Person who gives the Requirement. | Duy Tan University |
| **Scrum Master** | This is the stakeholder who leading, manage the website development Team. | Le Thanh Ha |
| **Requirement Analyzer** | This is a stakeholder that works with the Analysts to correctly translate requests or needs into requirements to be used for design. | All Member |
| **Software Architect** | This is a stakeholder that is primary for leading the website development. | Ngo Ngoc My |
| **Coder** | This is a stakeholder that programs the software. | All Member |