**International School**



Capstone Project 1

CMU-SE 450

**Product Backlog**

**Version 1**

**Date: 30/09/2021**

**COVID-19 iCONSULTANT**

**Submitted by**

**Nguyen Dang Tuong Lam**

**Hoang Quang Dat**

**Nguyen Thanh Quoc**

**Le Anh Khoa**

**Approved by Ha Nhu Hang**

### PROJECT INFORMATION

|  |  |  |  |
| --- | --- | --- | --- |
| **Project acronym** | CIC | | |
| **Project Title** | COVID-19 iConsultant | | |
| **Start Date** | 24 Aug 2021 | **End Date** | 12 Dec 2021 |
| **Lead Institution** | International School, Duy Tan University | | |
| **Project Mentor** | Ha Nhu Hang | | |
| **Scrum master / Project Leader & contact details** | Hoang Quang Dat  Email: hoanguyquangdat@gmail.com  Tel: 0379782308 | | |
| **Partner Organization** |  | | |
| **Project Web URL** |  | | |
| **Team members** | Name | Email | Tel |
| 24211215599 | Nguyen Dang Tuong Lam | nguyendangtuonglam2106  @gmail.com | 0347327837 |
| 24211206390 | Le Anh Khoa | skhoa15499@gmail.com | 0905833919 |
| 24211202635 | Nguyen Thanh Quoc | quochades2000@gmail.com | 0774959050 |

**REVISION HISTORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Comments** | **Author** | **Approval** |
| 1.0 | 31/08/2021 | Initial Release | All members |  |
|  |  |  |  |  |

# Document Approvals

The following signatures are required for approval of this document.

|  |  |  |
| --- | --- | --- |
| Ha Nhu Hang  Mentor |  | Date |
| Hoang Quang Dat  Scrum master,DevTeam |  | Date |
| Le Anh Khoa  Product Owner, DevTeam |  | Date |
| Nguyen Dang Tuong Lam  DevTeam |  | Date |
| Nguen Thanh Quoc DevTeam |  | Date |

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5. **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

* 1. **Purpose**
     + Provide a prioritized features list, containing a 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.
  2. **Scope**
     + Lists the user’s role.
     + Write all the user’s requirements.
     + Lists some main functions of the system.
     + Short description of all the functionality desired in the product.
     + Given the priority of each feature and function of the product.
  3. **References**

|  |  |  |
| --- | --- | --- |
| **No** | **Source** | **Note** |
| 1 | [https://www.visual-paradigm.com/scrum/what-is-](https://www.visual-paradigm.com/scrum/what-is-product-backlog-in-scrum/) [product-backlog-in-scrum/](https://www.visual-paradigm.com/scrum/what-is-product-backlog-in-scrum/) | What is Product Backlog in Scrum? Who Responsible for  It? |
| 2 | [https://www.scrum-](https://www.scrum-institute.org/The_Scrum_Product_Backlog.php) [institute.org/The\_Scrum\_Product\_Backlog.php](https://www.scrum-institute.org/The_Scrum_Product_Backlog.php) | The Scrum Product Backlog  - International Scrum Institute |

1. **Product Backlog Specification**

## Priority and Estimates

Priorities are set from high (H), medium (M) and low (L):

* 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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **As a <type of user>** | **I want to <perform some task>** | **so that I can <achieve some goal>** | **Priority (H, M, L)** | **Story Points** |
| PB01 | User | Access to website | I can access the website in other browsers | L |  |
| PB02 | User | See available Q&A on COVID-19 prevention | Users can view available Q&A to improve Knowledge about COVID-19 prevention | L |  |
| PB03 | User | See the latest and accurate news | Provide fresh information and  access to accurate information sources. | L |  |
| PB04 | User | Users can see the statistics of COVID-19 and Vaccines of Vietnam | Provide data on the number of cases, recoveries and deaths of COVID-19. Provide data on the COVID-19 Vaccine. | M |  |
| PB05 | User | Communicate with bot chat | Ask questions related to COVID-19 for Chatbot to give answers. | H |  |

***Table 1: Product Backlog Specification***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **As a <type of user>** | **I want to <perform some task>** | **so that I can <achieve some goal>** | **Priority (H, M, L)** | **Story Point** |
| PB06 | Admin | Login into the website with "user name" and "password" have website management email | Manage website content. | L |  |

***Table 2: Product Backlog Specification***

1. **Challenges**

|  |  |  |
| --- | --- | --- |
| **No.** | **Challenge** | **Condition** |
| 1 | Time | The project must be completed within 17 weeks. |
| 2 | Budget | Budget limit $1920 |
| 3 | Human Resources | Team limit with 4 members and 1 mentor develops the system. |
| 4 | Technical | Apply many new current technique |
| 5 | Requirements | Follow owner requirements and market |

1. **Stakeholders and User Description**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Description** | **Role** |
| 1 | User | Users will visit the website to read news about COVID-19, monitor the progress of the pandemic through graph statistics, view questions and answers about COVID-19 prevention, and communicate with chatbots. | Visit websites, view pages, communicate with chatbots. |
| 2 | Admin | Update news, statistics, questions, train chatbot. | Login,update |