

**CAPSTONE PROJECT 2**

**PRODUCT BACKLOG DOCUMENT**

**WHAT SHOULD I EAT TODAY?**

**VERSION: 1.1**

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**03/22/2020**

**INTERNATIONAL SCHOOL OF DUYTAN UNIVERSITY**

**Project Information**

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| **Project Acronym** | WIET | | |
| **Project Title** | What should I eat today? | | |
| **Start Date** | 02/12/2020 | **End Date** | 05/15/2020 |
| **Lead Institution** | International School, Duy Tan University | | |
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**Document Detail**

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Title** | Proposal Document | | |
| **Author(s)** | 101dogS Team | | |
| **Role** | Product Owner, Team Member, Scrum Master | | |
| **Date** | 04/23/2020 | **File name:** | Product Backlog-Caps2-101dogS-ver1.1 |
| **URL** |  | | |
| **Access** | Project and CMU Program | | |

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Person(s)** | **Date** | **Description** |
| **1.0** | Nguyen Dinh Luu | 03/22/2020 | Create Product Backlog Document for project |
| **1.1** | Le Nguyen Hoang Van | 04/23/2020 | Update Product Backlog Document for project |

|  |  |  |  |
| --- | --- | --- | --- |
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# **Introduction**

## **Purpose**

* Provide a prioritized features list, containing short description of all functionality desired in the product.
* Provide a prioritized features constraint list.

## **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.

## **References**

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

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# **Product Backlog**

## **Product Backlog Items Diagram**

***Figure 01: User Module***

## **Product Backlog Specification**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a** | **I want to** | **So That** | **Priority** |
| **AUTHENTICATION** | | | | | |
| PB01 | Login | User | Access to the system by Facebook or Google account | I can use the application with my role | 1 |
| PB02 | Logout | User | Log out system | I can stop using system. I can log in later when I want to use application on next time. | 1 |
| **MANAGE PROFILE** | | | | | |
| PB03 | Update information | User | Update profile | I can update my profile on application | 1 |
| **SURVEY** | | | | | |
| PB04 | Search | User | Search food I want | I can easily pick | 2 |
| PB05 | Pick favorite food | User | Pick favorite food | System can easily make a recommend | 2 |
| **RECOMMEND** | | | | | |
| PB06 | View list food | User | View list food from recommend system | I can easily pick a food | 2 |
| PB07 | View food detail | User | View food detail | I can view more information about food | 2 |
| PB08 | View direction | User | View direction | I can view location of food store on map | 2 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MEAL TODAY** | | | | | |
| PB09 | View meals depend on time | User | I can view meals for breakfast, lunch, dinner | I can easily pick a food | 3 |
| PB10 | View meals depend on environment | User | I can view meals depend on season, temperature | I can easily pick a food | 3 |
| **SETTINGS** | | | | | |
| PB11 | View history | User | View history | I can easily view history | 3 |
| PB12 | View bookmark | User | View bookmark | I can easily view bookmark | 3 |
| PB13 | Edit function | User | Edit function of application | I can edit application’s function | 3 |

* 1. **Break down into Sprint Backlog**

***Table 2: Break down into Sprint Backlog***

|  |  |  |  |
| --- | --- | --- | --- |
| **Sprint** | **Function** | **Started day** | **Due day** |
| **SPRINT 1** | Setup environment and define requirement | 02/18/2020 | 03/03/2020 |
| **SPRINT 2** | Authentication and processing data | 03/03/2020 | 03/17/2020 |
| **SPRINT 3** | Survey, recommend and food detail | 03/17/2020 | 03/31/2020 |
| **SPRINT 4** | Meals today, search, bookmark and profile | 03/31/2020 | 04/14/2020 |
| **SPRINT 5** | History, setting and improve function | 04/14/2020 | 04/28/2020 |
| **SPRINT 6** | Improve UI and fix bugs | 04/28/2020 | 05/12/2020 |

1. **Constraint**

***Table 3: Constraint***

|  |  |
| --- | --- |
| **Constraint** | **Condition** |
| **Time** | Project completion time limit in 1296 hours so time to complete project be restricted |
| **People constraint** | 4 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 |

1. **Stakeholders and User Descriptions Summary**

***Table 4: 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 complete 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 parts of the system’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 |