**International School**

**Capstone Project 2**

CMU-SE 451

**Product Backlog**

**Version 1.1**

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**Food Care**

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**PROJECT INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project acronym** | FC | | |
| **Project Title** | Food Care | | |
| **Start Date** | 01 Mar, 2021 | **End Date** | 25 May, 2021 |
| **Lead Institution** | International School, Duy Tan University | | |
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REVISION HISTORY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Comments** | **Author** | **Approval** |
| 1.0 | 05/03/2021 | Initial Release | C2SE.18 team |  |
| 1.1 | 22/05/2021 | Final | Vinh, Huynh Dac |  |
|  |  |  |  |  |

**Document Approval**

The following signatures are required for approval of this document

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| **Mentor** | Dang Viet Hung | Date: |
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| **Product Owner** | Tran Quoc Trung | Date: |
| **Team Member** | Ton That Minh Huy | Date: |
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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.

## **1.1. 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.

## **1.2. Scope**

- Display a list of roles: User, Admin

- Write all the user’s requirements.

- Lists some main functions of the website.

- Short description of all the functionality desired in the product.

- Given the priority of each feature and function of the product.

## **1.3. 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 |

# **2. Product Backlog**

## **2.1. Product Backlog Specification**

Priority and Estimates

Priorities are set from 1 to 5.

- The maximum/highest priority is 5

- The minimum priority is 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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** | **Prior** | **Est.** |
| PB01 | Login | Admin | Login to the system as admin | I can manage information | 3 | 25 |
| PB02 | Change password | Admin | Change my account's password | I can keep it secure or make it easier to remember | 4 | 35 |
| PB03 | Logout | Admin | Logout to the system | I can stop using the system. I can log in later when I want to use system on next time | 1 | 10 |
| PB04 | View All User | Admin | View all the user in the system | I can manage users and take action if needed | 4 | 90 |
| PB05 | Ban User | Admin | Ban a user in the system | I can prevent a user from using the system | 4 | 145 |
| PB06 | View All Foods | Admin | View all food in the system | I can manage foods and take action on them | 2 | 55 |
| PB07 | Approve Food | Admin | Approve a requested food | I can add user's custom food to the public | 1 | 10 |
| PB08 | Create Food | Admin | Create new food | I can add more food to the system | 4 | 34 |
| PB09 | Edit Food | Admin | Edit food's information | I can update the correctness of food in the system | 4 | 23 |
| PB10 | Delete Food | Admin | Remove food | I can remove incorrect food from the system | 4 | 24 |

*Table 1: Product Backlog Specification (Admin)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** | **Prior** | **Est.** |
| PB01 | Register | User | Create an account | I will be ready to use the system | 3 | 25 |
| PB02 | Login | user | Login to system | I can access the features of the system | 4 | 35 |
| PB03 | Logout | User | Logout of the system | I can stop using the system | 1 | 10 |
| PB04 | Change Password | User | Change account's password | I can update my password to remember easier | 4 | 90 |
| PB05 | Reset Password | User | Reset my password | Access to my account when forget password | 4 | 145 |
| PB06 | Edit Profile | User | Update nmy information | I can change the information as needed | 2 | 55 |
| PB07 | Filter Food | User | View Food with specific properties | I can choose the most suitable food | 1 | 10 |
| PB08 | Search Food | User | Find the Food by its name | I can look for a specific food | 2 | 16 |
| PB09 | View Food's Details | User | View Food's information | I can know all about the food | 5 | 23 |
| PB10 | Add To Favorite | User | Add a food to favorite list | I can save my favorite food | 4 | 20 |
| PB11 | Remove From Favorite | User | Remove a food from favorite list | I can remove the food I don't like | 3 | 14 |
| PB12 | View Favorite List | User | View all my favorite food | I can choose which one I like to eat | 2 | 19 |
| PB13 | Add Food To Menu | User | Add a food to my meal plan | I can plan and prepare for the meal better | 2 | 14 |
| PB14 | Remove Food From Menu | User | Remove a food from meal plan | I can plan and prepare for the meal better | 2 | 15 |
| PB15 | View Menus | User | View all foods in my menu | I can evaluate my menu and adjust them | 5 | 18 |
| PB16 | Create Collection | User | Create a food collection | I can store food based on theme | 4 | 23 |
| PB17 | Add Food To Collection | User | Add food to a created collection | I can add suitable food to a collection for later use | 3 | 22 |
| PB18 | Remove Food From Collection | User | Renice food from a created collection | I can remove a food that no longer fit that collection | 3 | 12 |
| PB19 | Remove Collection | User | Remove a created collection | I can remove a collection that I don't need | 3 | 12 |
| PB20 | View Collections | User | View all of my collection | I can manage my food collection | 3 | 10 |
| PB21 | View Collection's Detail | User | View all foods in a collection | I can know what food is belong to that collection | 4 | 12 |
| PB22 | Create Custom Food | User | Create my own food | I can create a food haven't existed in the system | 2 | 23 |
| PB23 | Update Custom Food | User | Update my own food | I can update the correctness of my customed food | 2 | 20 |
| PB24 | Remove Custom Food | User | Remove my created food | I can remove my food that no longer needed | 2 | 22 |
| PB25 | Receive Recommended Menu | User | Receive a recommended meal | I can save time planning meal and have a diversity menu | 5 | 55 |
| PB26 | Request To Public Food | User | Request my food to be public | I can share my recipe with other people | 1 | 15 |
| PB27 | View List Requested Foods | User | View all of my requested food | I can manage my application | 1 | 18 |
| PB28 | Withdraw Requested Foods | User | Withdraw a requested food | I can update its information and apply later | 1 | 12 |

*Table 2: Product Backlog Specification (User)*

# **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 |

*Table 3: Constraint*

# **4. Stakeholders Summary**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Role** |
| **Product Owner** | The Person who gives the Requirement | Provide information to develop the website. Make the decision to accept and implement the project, do the unit test |
| **Scrum Master** | This is the stakeholder who leading, manage the website 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 parts 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 website 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 4: Stakeholders Summary*