

**International School**

CAPSTONE PROJECT 1

**CMU-SE-450**

PRODUCT BACKLOG DOCUMENTATION

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Medical notebook

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**PROJECT INFORMATION**

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| --- | --- | --- | --- | --- |
| **PROJECT INFORMATION** | | | | |
| **Project abbreviation** | MN | | | |
| **Name of project** | Medical handbook | | | |
| **Start day** | 15 - March - 2022 | | | |
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MODIFICATION HISTORY

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| **Version** | **Date** | **Comment** | **Author** | **Approval** |
| 1.1 | 10/03/2022 | Released for the first time | All members | x |

# **Document approval**

The following signatures are required for approval of this document.

|  |  |  |
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| Trinh Tran Thi Thuy  Mentor |  | Date |
| Trang, Le Thi Huyen  Scrum master, Product Owner, DevTeam |  | Date |
| Tuan, Le Van  DevTeam |  | Date |
| Cong, Pham Hoang  DevTeam |  | Date |
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# **Introduce**

The Rapid Product Backlog in Scrum is a prioritized feature list, containing brief descriptions of all the desired functionality in the product. When adopting Scrum, it is not necessary to start a project with a lengthy and upfront effort to document all requirements. Typically, a Scrum team and their product owners start by writing down everything they can think of to prioritize the quick backlog. 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 information about the product becomes available

## **Purpose**

* Provides a list of preferred features, containing a brief description of all desired functions in the product.
* List everything the product owner and the Scrum team feel needs to be included in the software they are developing.

## **1.2 Scope**

* List user roles.
* Write all user requests.
* List some of the main functions of the system.
* Brief description of all desired functions in the product.
* Prioritize each feature and function of the product.

## **1.3 References**

|  |  |  |
| --- | --- | --- |
| **Is not** | **Source** | **Note** |
| first | <https://www.visual-paradigm.com/scrum/what-is-product-backlog-in-scrum/> | What is the Product Backlog in Scrum? Who is responsible for it? |
| 2 | [https://www.scrum-inscrum.org/The\_Scrum\_Product\_Backlog.php](https://www.scrum-institute.org/The_Scrum_Product_Backlog.php) | Scrum Product Backlog - International Scrum Institute |

# **2. Product specification backlog**

***Priorities and estimates***

Priority is set from high (H), medium (M) and low (L):

* The priority of some user stories may be the same for others.
* If a user story has dependencies, it must have a lower priority than its dependencies.

**VERSION : Medical Notebook System**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Is not.** | **As a <user type>** | **I want to <perform some quest>** | **so that I can <achieve some goals>** | **Priority**  **(H, M, L)** |
| PB01 | User | View personal information in the system | I can receive and view my personal information in the system. | USA |
| PB02 | User | Register an account in the system | I can get an account to use the system. |  |
| PB03 | User | Access to the system | I can use system features with my role | H |
| PB04 | User | Log out of the system | I can stop using the system. I can login later when I want to use the system next time. | H |
| PB05 | User | Change Password | Can I change my password | USA |
| PB06 | User | Statistics of Covid | Where can I see the Covid data | USA |
| PB07 | User | Watch news | I can see the news about the epidemic | OFFER |
| PB08 | User | See vaccination status | I can see the status of vaccination before I want to apply for vaccination | OFFER |
| PB09 | User | View medical handbook | Can I see the health manuals shared by the health ministry | OFFER |
| PB10 | User | See the diet | I can choose for myself the right nutrition when shared by the system | OFFER |
| PB11 | User | Q&A | Can I ask questions about the system? | USA |
| PB12 | User | See user reviews | Can I see other users' reviews | USA |
| PB13 | User | Health after injection | Can I declare my health after injection | USA |
| PB14 | User | Health declaration | Can I declare health in the system | USA |
| PB15 | User | Electronic signature | Do I use a digital signature in the system ? | USA |
| PB16 | User | Sign up for vaccinations | Can I apply for vaccines? | OFFER |
| PB17 | User | Fill in personal information | Can I fill in my personal information in the system | USA |
| PB18 | User | Anamnesis | Can I update information about my illness? | USA |
| PB19 | User | Injection consent form | Users after registering for vaccination must fill in the vaccination consent form to be able to vaccinate | OFFER |
| PB20 | User | Verified Sagittarius | Can I get the system's verification code |  |

***Table 1: Product Backlog Specifications***(Sprint 1)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Is not.** | **As a <user type>** | **I want to <perform some quest>** | **to <achieve some goal>** | **Priority**  **(H, M, L)** |
| PB21 | Medical staff | Log in | I can use system features with my role | USA |
| PB22 | Medical staff | Log out | I can stop using the system. I can log in later when I want to use the system next time | OFFER |
| PB23 | Medical staff | Registration | I can get an account to use the system. | H |
| PB224 | Medical staff | View personal information of users in the system | Medical staff and administrators can view users' personal information | USA |
| PB25 | Medical staff | Share handbook | I can share useful medical information for users to see | H |
| PB26 | Medical staff | Share your diet | I can update to the correct diet to help users have a really good diet | USA |
| PB27 | Medical staff | See user feedback | I can see user feedback in the system | H |
| PB28 | Medical staff | See the list of injections of the day | The system continuously updates the list of injections during the day | USA |
| PB29 | Medical staff | Enter the user's ID | I can search for people by entering ID for fastest search | USA |
| PB30 | Medical staff | View the list of injections of the day | I can see a list of users injected during the day | USA |
| PB31 | Medical staff | Enter vaccine information in stock | Can I update the vaccine information in the inventory on the system? | H |
| PB32 | Medical staff | View vaccine information in stock | I can see the vaccine information in stock once it is updated | H |

***Table 2: Product Backlog Specifications***(Sprint 2)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Is not.** | **As a <user type>** | **I want to <perform some quest>** | **so that I can <achieve some goals>** | **Priority**  **(H, M, L)** |
| PB33 | Department of Health, administrator | Log in | I can use system features with my role | H |
| PB34 | Department of Health, administrator | Log out | I can stop using the system. I can log in later when I want to use the system next time | H |
| PB35 | Department of Health, administrator | Registration | I can get an account to use the system. | H |
| PB36 | Department of Health, administrator | User Account Management | Can I manage user accounts so I can see user account information | H |
| PB37 | Department of Health, administrator | Employee account management | Can I manage employee accounts so I can view employee account information | H |
| PB38 | Administrators | Manage forms | I can manage the form so I can see the information that the user has filled in the form information | USA |
| PB39 | Department of Health, administrator | Medical staff management | I can manage employees | OFFER |
| PB40 | Health service Dept | Manage the number of vaccines | I can view the vaccine quantities to manage the quantity when injecting the user | USA |
| PB41 | Health service Dept | Manage vaccination progress | I can see the vaccination schedule so I can keep a close eye on those who have not had or have had it | OFFER |

***Table 3: Product Backlog Specifications***(Sprint 3)

# **3. Challenges**

|  |  |  |
| --- | --- | --- |
| **Is not.** | **Challenge** | **Condition** |
| first | Time | Project development time is shortened |
| 2 | Budget | Limited budget |
| 3 | Human Resources | Lack of human resources when developing projects |
| 4 | Skill | The application works in the site |
| 5 | Request | The project is subject to specified security requirements |

# 

# **4. Stakeholders and User Description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Is not.** | **Name** | **Description** | **Role** |
| first | Administrators | System management | Manage all user accounts, update and handle features for users, notifications, user interaction on the system |
| 2 | City | Using the system | Manage users and medical staff |
| 3 | Medical staff | Using the system | Interacting with users, updating, posting and sharing health information, managing users and vaccines |
| 4 | Everyone | Using the system | Use the features on the system, interact with medical staff, ask questions for the administrator |