

**CAPSTONE PROJECT 1**

**ROOMY**

**Product Backlog Document**

Version 1.0

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| **Project Tittle** | Roomy | | | | |
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**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 4.

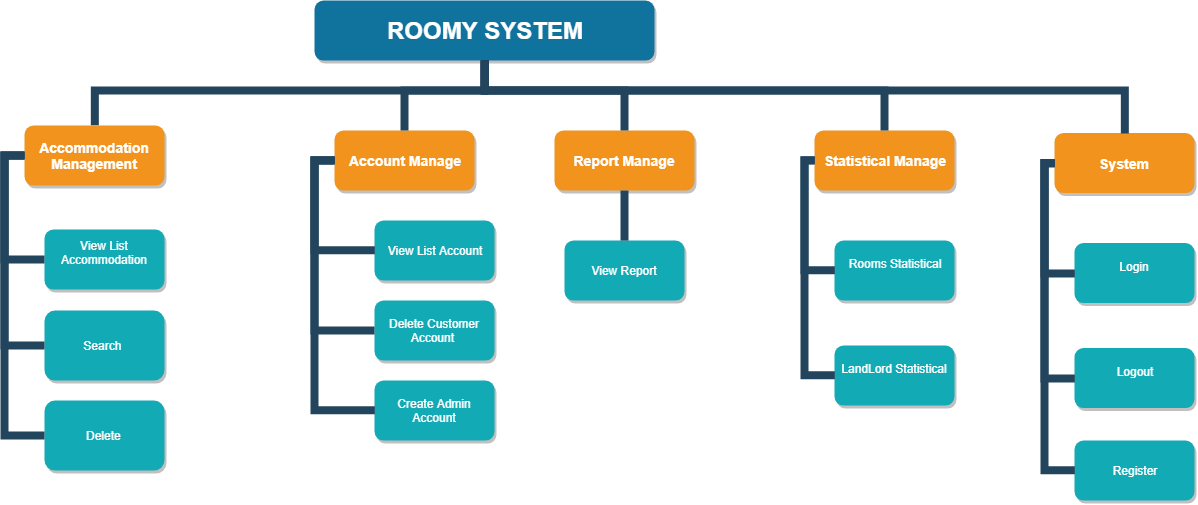
◦ The maximum priorities are 1

◦ The minimum priorities are 4

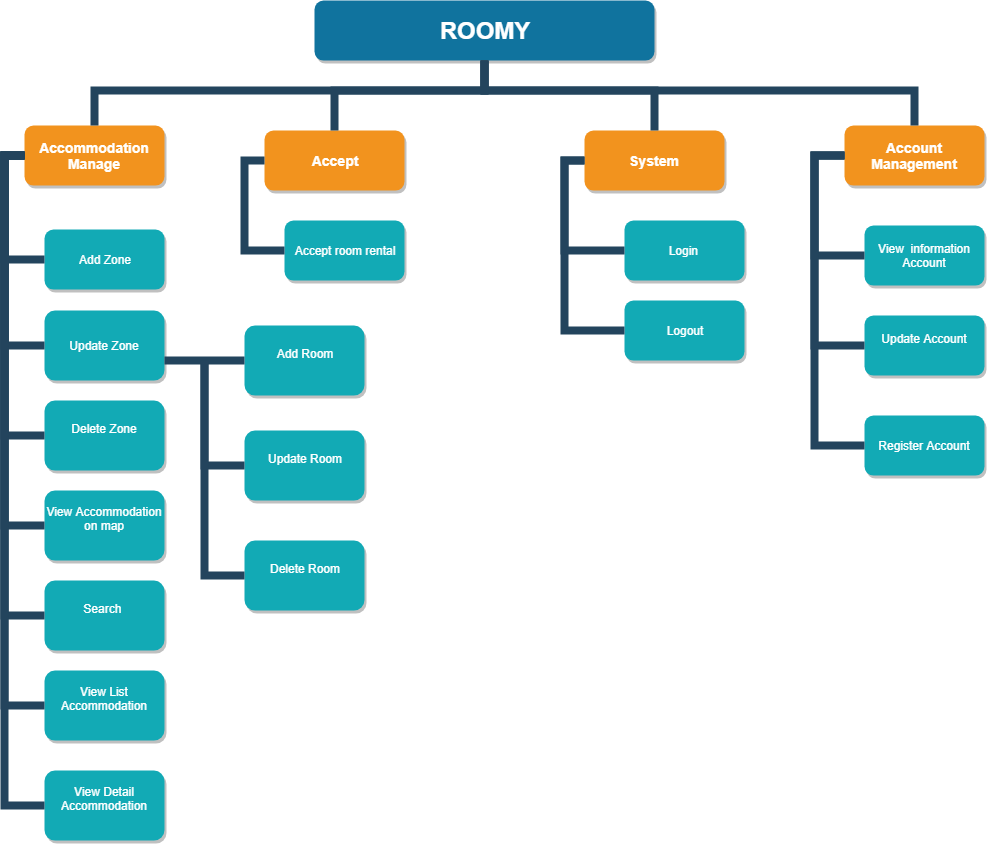
◦ Priorities of some user stories can be the same with others

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

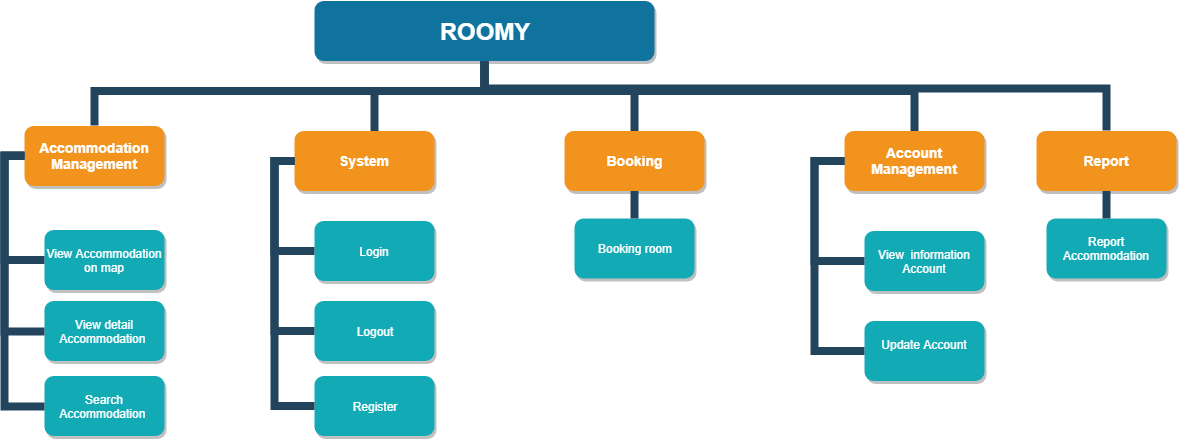
[**Work breakdown structure**](https://en.wikipedia.org/wiki/Work_breakdown_structure)

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*Figure 1. Administrator Diagram*

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***Figure 2. Landlord Diagram***

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***Figure 2. Renter Diagram***

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | | **As a/an** | **I want to** | **So that** | **Priority** |
| **System** | | | | | | |
| PB01 | | Login | Administrator | Access to the system. | I can use the system for my goal. | 3 |
| PB02 | | Log out | Administrator | Log out my account from system. | I can stop using system and I can log in later. | 3 |
| **Account Management** | | | | | | |
| PB03 | | View list of users account | Administrator | View all user in the system. | I can get all the information of the user. | 2 |
| PB04 | | Delete user's account | Administrator | Delete any account in the system | I can delete the user’s account when users have not used for a long time. | 2 |
| PB05 | | Create the new Administrator account | Administrator | Create for the new Admin account. | I can create an account for the new admin to manage the system with me. | 2 |
| **Accommodation Management** | | | | | | |
| PB05 | | View list accommodation | Administrator | View list accommodation entered by Lanlord | I can see the list of zones and rooms of that zone entered by the Landlord | 2 |
| PB06 | | Search accommodation | Administrator | Searching list of accommodation in the system by ID. | I want to search an accommodation base on ID. | 2 |
| PB07 | | Delete accommodation | Administrator | Delete any accommodation in the system. | When accommodation had a lot of reports, I want to delete that accommodation from the system. | 2 |
|  | |  |  |  |  |  |
| **Report Management** | | | | | | |
| PB08 | | View report accommodation | Administrator | View all user reports about accommodation. | I want to see all the reports on the accommodation based on the user response. | 3 |
| **Statistical** | | | | | | |
| PB09 | | Statistics about Lanlord account | Administrator | Listing to have statistics of Landlords account | I want to list to have statistics of all landlords accounts in the system | 1 |
| PB10 | | Statistics about accommodation | Administrator | Listing to have statistics of accommodation | I want to list to have statistics of all accommodations in the system and total of room. | 1 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** | **Priority** |
| **System** | | | | | |
| PB01 | Login | Landlord | Access to the system. | I can use the system for my goal. | 1 |
| PB02 | Logout | Landlord | Log out my account from system. | I can stop using the system and I can log in later | 1 |
| PB03 | Register | Landlord | Register account access to the system | I can register account to access system and use the system for my goal. | 3 |
| **Account Management** | | | | | |
| PB04 | View information account | Landlord | View detail account information of myself. | I can know information of me such as username, password, name, address, phone number… | 2 |
| PB05 | Update account | Landlord | Edit account information of myself or password | I can edit any account information such as username, name, address, phone number… or password | 2 |
| **Accommodation Management** | | | | | |
| PB06 | View accommodation on map | Landlord | View all accommodation on map | I want to see all the accommodation on the map based on location I have chosen. | 1 |
| PB07 | View detail accommodation | Landlord | View detailed information about the accommodation I selected. | I want view detailed information about the accommodation I selected: address, status, description,… on system. | 1 |
| PB08 | Search accommodation | Landlord | Search information about accommodation. | I want to see accommodations information by searching based on location, area of them. | 1 |
| PB09 | Add zone | Landlord | Add a new zone. | I want to add new the zone in the system if I need to. | 1 |
| PB07 | Update zone | Landlord | Update zone. | I want to update zone in the system when I need. | 1 |
| PB08 | Delete zone | Landlord | Delete any zone | I want to delete zone in the system when it don’t longer active. | 1 |
|  | Add room | Landlord | Add a new room | I want to add the rooms for my every zone in the system if I need to. | 1 |
|  | Update room | Lanlord | Update information room | I want to update the room for my every zone in the system when I need change | 1 |
|  | Delete room | Landlord | Delete any zone | I want to delete room of my every zone in the system when it doesn't longer active | 1 |
|  | View list accommodation | Landlord | View detail list accommodation. | I want to see detail about my accommodation after I entered. | 1 |
| **Accept** | | | | | |
| PB08 | Accept room rental | Landlord | Accept room rental | I would like to confirm to rent accommodation during the renter booking accommodation | 1 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Theme** | **As a/an** | **I want to** | **So that** | **Priority** |
| **Accommodation** | | | | | |
| PB01 | View accommodation on map | Renter | View all accommodation on map. | I want to see all the accommodation on the map based on location I have chosen. | 1 |
| PB02 | View detail accommodation | Renter | View detailed information about the accommodation I selected | I want to view detailed information about the accommodation I selected: address, status, description,… on system. | 1 |
|  | Search accommodation | Renter | Search information about accommodation. | I want to see accommodations information by searching based on location, area of them. | 1 |
| **System** | | | | | |
| PB03 | Login | Renter | Access to the system. | I can use my username/password to login into the system, I can use the function of the system. | 3 |
| PB05 | Logout | Renter | Log out my account from system. | I can stop using the system and I can log in later | 3 |
|  | Register | Renter | Register account access to the system | I can register account to access system and use the system for my goal. | 3 |
| **Account Management** | | | | | |
| PB06 | View information account | Admin | View detail account information of myself. | I can know information of me such as username, password, name, address, phone number… | 2 |
| PB07 | Update account | Admin | Edit account information of myself or password | I can edit any account information such as username, name, address, phone number… or password | 2 |
| Booking | | | | | |
| PB09 | Booking a room | Admin | Booking a room | I want to book an accommodation before I come to see that accommodation. | 1 |
| **Report** | | | | | |
| PB11 | Sent report to Admin | Admin | Sent report to Admin about accommodation | I can report to the Admin about the quality of accommodation | 1 |

1. **Breakdown into Sprint Backlog:**
2. **Constraint**

**Table 5: 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. **Stack holders and User Descriptions Summary**

***Table 6: Stakeholders and User Descriptions Summary***

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Role** |
| **Product Owner** | The Person who give 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 a 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 |