

**International School**

PROJECT

**CMU-SE-100**

PRODUCT BACKLOG DOCUMENT

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**StarConnect**

**Submitted by**

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1. ***Introduction***

## A "List System To-Do" is an organized, prioritized system designed to track tasks and manage workflows efficiently. It serves as a dynamic tool for capturing, categorizing, and prioritizing activities, helping users stay focused on their goals. Unlike static task lists, a List System To-Do evolves over time, adapting to changing priorities and new tasks. By breaking down work into manageable items, this system enhances productivity and ensures that nothing important is overlooked. Whether for personal or professional use, a well-structured List System To-Do is an essential tool for staying organized and achieving success.

## Purpose

## Provide a structured and prioritized task management system to help users organize and track their daily, weekly, or long-term goals.

## Ensure a comprehensive list of tasks that users feel are essential to their personal or professional objectives.

## Facilitate better time management and productivity by organizing tasks based on priority and importance.

## Scope

## Outline the roles and functionalities of the task management system.

## Highlight the primary features of the system, such as task categorization, prioritization, and progress tracking.

## Provide concise descriptions of all key functionalities available in the system.

## Define the priority levels for each feature and task, ensuring clarity in execution and focus.

# Product Backlog

## Product Backlog Specification

| **ID** | **Theme** | **As a/an** | **I want to** | **So that** |
| --- | --- | --- | --- | --- |
| PB01 | Register | User | | Register an account | | --- |  |  | | --- | | | I can access the to-do list system | | --- |  |  | | --- | |
| PB02 | Login | User | | Log in to the system with my credentials | | --- |  |  | | --- | | | I can use the system with my personalized tasks | | --- |  |  | | --- | |
| PB03 | Logout | User | | Log out of the system | | --- |  |  | | --- | | | I can secure my account and return later | | --- |  |  | | --- | |
| PB04 | Change password | User | | Change my password | | --- |  |  | | --- | | | I can ensure my account remains secure | | --- |  |  | | --- | |
| PB05 | Forgot Password | User | | | Retrieve my password | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | I can regain access to my account | | --- |  |  | | --- | |
| PB06 | Reset password | User | | Reset my password | | --- |  |  | | --- | | | I can set a new password if needed | | --- |  |  | | --- | |
| PB07 | |  | | --- |  | Add Task | | --- | | User | | Add a new task to my to-do list | | --- |  |  | | --- | | | I can track my activities effectively | | --- |  |  | | --- | |
| PB08 | | Edit Task | | --- |  |  | | --- | | User | | Modify an existing task | | --- |  |  | | --- | | | I can update task details if needed | | --- |  |  | | --- | |
| PB09 | | Delete Task | | --- |  |  | | --- | | User | | | | Remove a task | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | --- | --- | --- | --- | --- |  |  | | --- | | | I can keep my list clean and relevant | | --- |  |  | | --- | |
| PB10 | Prioritize Tasks | User | | Set priority levels for tasks | | --- |  |  | | --- | | | I can focus on the most important tasks first | | --- |  |  | | --- | |
| PB11 | | View Task List | | --- |  |  | | --- | | User | | See my list of tasks | | --- |  |  | | --- | | | I can have an overview of all my tasks | | --- |  |  | | --- | |
| PB12 | | Mark Task as Complete | | --- |  |  | | --- | | User | | Mark a task as completed | | --- |  |  | | --- | | | I can track my progress and achievements | | --- |  |  | | --- | |
| PB13 | | Search Tasks | | --- |  |  | | --- | |  | |  |  | | --- | | User | | Search for a specific task | | --- |  |  | | --- | | | I can quickly find tasks in my list | | --- |  |  | | --- | |
| PB14 | | View Task History | | --- |  |  | | --- | | User | | View a record of completed tasks | | --- |  |  | | --- | | I can review my accomplishments over time |

*Table 1: Product Backlog Specification (List System To-Do)*

| **ID** | **Theme** | **As a/an** | **I want to** | **So that** |
| --- | --- | --- | --- | --- |
| PB01 | Register | Student | | Register an account | | --- |  |  | | --- | | | I can access the to-do list system | | --- |  |  | | --- | |
| PB02 | Login | Student | | Log in to the system with my credentials | | --- |  |  | | --- | | | I can manage my tasks and assignments | | --- |  |  | | --- | |
| PB03 | Logout | Student | | Log out of the system | | --- |  |  | | --- | | | I can secure my account and log back in later | | --- |  |  | | --- | |
| PB04 | Change password | Student | | Change my password | | --- |  |  | | --- | | | I can keep my account secure | | --- |  |  | | --- | |
| PB05 | Forgot Password | Student | | Retrieve my password | | --- |  |  | | --- | | | I can regain access to my account | | --- |  |  | | --- | |
| PB06 | | Add Assignment Tasks | | --- |  |  | | --- | | Student | | Add new assignments or projects | | --- |  |  | | --- | | | I can track my academic deadlines | | --- |  |  | | --- | |
| PB07 | | Prioritize Tasks | | --- |  |  | | --- | | Student | | Set priority levels for tasks | | --- |  |  | | --- | | | I can focus on important assignments first | | --- |  |  | | --- | |
| PB08 | | View Class Schedule | | --- |  |  | | --- | | Student | | Access my class and exam schedules | | --- |  |  | | --- | | | I can plan my study time effectively | | --- |  |  | | --- | |
| PB09 | | View Completed Tasks | | --- |  |  | | --- | | Student | | See the list of completed assignments | | --- |  |  | | --- | | | I can track my progress | | --- |  |  | | --- | |
| PB10 | | Set Study Goals | | --- |  |  | | --- | | Student | | Define specific study goals | | --- |  |  | | --- | | | I can stay focused and motivated | | --- |  |  | | --- | |
| PB11 | | Receive Notifications | | --- |  |  | | --- | | Student | | Get reminders for due dates and tests | | --- |  |  | | --- | | I can avoid missing important deadlines |

*Table 2: Product Backlog Specification (Student)*

| **ID** | **Theme** | **As a/an** | **I want to** | **So that** |
| --- | --- | --- | --- | --- |
| PB01 | Register | | Working Professional | | --- |  |  | | --- | | | Register an account | | --- |  |  | | --- | | | I can access the to-do list system | | --- |  |  | | --- | |
| PB02 | Login | | Working Professional | | --- |  |  | | --- | | | Log in to the system with my credentials | | --- |  |  | | --- | | | I can manage my tasks and assignments | | --- |  |  | | --- | |
| PB03 | Logout | | Working Professional | | --- |  |  | | --- | | | Log out of the system | | --- |  |  | | --- | | | I can secure my account and log back in later | | --- |  |  | | --- | |
| PB04 | Change password | | Working Professional | | --- |  |  | | --- | | | Change my password | | --- |  |  | | --- | | | I can keep my account secure | | --- |  |  | | --- | |
| PB05 | Forgot Password | | Working Professional | | --- |  |  | | --- | | | Retrieve my password | | --- |  |  | | --- | | | I can regain access to my account | | --- |  |  | | --- | |
| PB06 | | | Add Work Tasks | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | Working Professional | | --- |  |  | | --- | | | | Add tasks related to my job | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | I can stay organized and meet deadlines | | --- |  |  | | --- | |
| PB07 | | | Prioritize Tasks | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | Working Professional | | --- |  |  | | --- | | | | Set priority levels for tasks | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | I can focus on important assignments first | | --- |  | | I can focus on high-priority work first | | --- |  |  | | --- | |  | | --- | --- | --- | --- | |
| PB08 | | | Schedule Meetings | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | Working Professional | | --- |  |  | | --- | | | | Set reminders for meetings or calls | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | I can stay on top of my professional commitments | | --- |  |  | | --- | |
| PB09 | | | Collaborate with Team | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | Working Professional | | --- |  |  | | --- | | | | Share tasks with team members | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | I can enhance teamwork and productivity | | --- |  |  | | --- | |
| PB10 | | | Generate Task Reports | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | Working Professional | | --- |  |  | | --- | | | | View reports on completed tasks | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | | I can evaluate my work performance | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | |
| PB11 | | | Set Professional Goals | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | | | Working Professional | | --- |  |  | | --- | | | Get reminders for due dates and tests | | --- |  |  | | --- | | I can track and achieve my professional growth |

*Table 3: Product Backlog Specification (*Working Professional

*)*

## Break down into Sprint Backlog

| **Sprint** | **Function** | **Started day** | **Due day** |
| --- | --- | --- | --- |
| **SPRINT 1** | | * [Server/Backend] Register for students and professionals. |  |  | | --- | --- | --- |  |  | * - [Server/Backend] Forgot password functionality. |  |  | | --- | --- | --- | --- |  |  | * [Server/Backend] Login for students and professionals. |  |  | | --- | --- | --- | --- |  |  | * [Server/Backend] Profile management for students and professionals. |  |  | | --- | --- | --- | --- |  |  | * [Frontend] UI dashboard for students and professionals. |  |  | | --- | --- | --- | --- |  |  | * [Frontend] Show users page for admin. |  |  | | --- | --- | --- | --- |  |  | - [Frontend] Display profile page. | | --- | --- | | 27/09/2024 | 12/10/2024 |
| **SPRINT 2** | * [Frontend] UI for showing schedules (students, professionals). * [Frontend] UI for teamwork functionality. * [Frontend] UI for conversation feature. * [Frontend] UI for receiving notifications. * [Frontend] UI for editing profile (students, professionals). * [Server/Backend] Teamwork functionality. * [Server/Backend] Edit profile functionality. * [Server/Backend] Receive notifications. * [Server/Backend] Update and synchronize ward details to the system. * [Server/Backend] Show detail page for editing profile (students, professionals). | 19/10/2024 | 09/11/2024 |
| **SPRINT 3** | * [Frontend] UI for posting announcements. * [Frontend] UI for posting information (professionals). * [Frontend] UI for updating learning results. * [Frontend] UI for online attendance (students, professionals). * [Frontend] UI for summarizing subject rankings. * [Server/Backend] Posting announcements. * [Server/Backend] Posting information (professionals). * [Server/Backend] Updating learning results. * [Server/Backend] Online attendance management. * [Server/Backend] Summarizing subject rankings. | 10/11/2024 | 01/12/2024 |
| **SPRINT 4** | * [Frontend] UI for submitting leave requests. * [Server/Backend] Updating assessment details for students and professionals. * [Server/Backend] Sending notifications to students and professionals. * [Frontend] UI for assessment updates. * [Frontend] UI for handling notifications and leave requests. * [Server/Backend] Synchronizing leave requests and notifying relevant stakeholders. | 02/12/2024 | 12/12/2024 |

*Table 4: Break down into Sprint Backlog*

1. **Constraint**

| **Constraint** | **Condition** |
| --- | --- |
| **Time** | Project completion time limit in 3 months so time to complete project be restricted |
| **People constraint** | 6 people working together to finish the project |
| **Requirements** | Features and functionalities must align with the Product Owner’s requirements and specifications. |
| **Performance** | |  | | --- |  | The system should ensure quick response times for task management and notifications. | | --- | |

*Table 5: Constraint*

1. **Stakeholders and User Descriptions Summary**

| **Name** | **Description** | **Role** |
| --- | --- | --- |
| **Product Owner** | The person who defines and prioritizes the requirements for the system. | | Provides requirements to the team, makes decisions about project acceptance, and conducts unit testing. | | --- |  |  | | --- | |
| **Scrum Master** | | The leader responsible for facilitating the development process. | | --- |  |  | | --- | | | Ensures the project is on track, within budget, and aligns with the requirements. Manages team workflows and addresses blockers. | | --- |  |  | | --- | |
| **Requirement Analyzer** | | The individual who translates user needs into detailed requirements. | | --- |  |  | | --- | | | Specifies functional and non-functional requirements for the system and ensures clarity for the design team. | | --- |  |  | | --- | |
| **Software Architect** | | The primary stakeholder leading the technical design of the system. | | --- |  |  | | --- | | | | Implements the project by writing, testing, and debugging the code. | | --- |  |  | | --- | | | --- | --- | --- |  |  | | --- | |
| **Coder** | | The team member responsible for programming the system functionalities. | | --- |  |  | | --- | | Implement the project |

*Table 6: Stakeholders and User Descriptions Summary*