

**INNOVASIAN ENTERPRISE**

Product Backlog and Sprint Plans

| **Team Number** | 2 |
| --- | --- |
| **Section** | S12 |
| **Team Members** | Amores, Louise Carlo G.  Ang, Mark Kevin G.  Clemente, Daniel Gavrie Y.  David, Joanna  Donato, John Joseph D.  Javier, Audrin Matthew C.  Ocampo, Kurt Christian C.  San Buenaventura, Carlo L. |
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# Product Backlog

*This section lists down all the user stories that the team commits to for the course project and the specific tasks to accomplish them.*

## US #1

| **As a user, I want to view a dashboard summarizing inventory levels, recent transactions, and low-stock alerts so that I can understand the system's status at a glance.** | | | |
| --- | --- | --- | --- |
| **Estimate or Story Points:** 7 | | **Priority:** 70 | |
| **Taken by:**  John Joseph (JJ), Kurt | | | |
| **Pre-condition:** The user is logged into the system. | | | |
| **Scenario:**   1. The system displays a dashboard with sections summarizing inventory levels, recent transactions, and low-stock alerts. 2. The user interacts with the dashboard elements to explore details. | | | |
| **Post-condition:**  The dashboard reflects up-to-date inventory information. | | | |
| **Acceptance Criteria:**   * The dashboard displays accurate inventory metrics. * Alerts for low-stock items are visible. | | | |
|  | | | |
| **Task #** | **Task Description** | **Effort Estimate (hours/days)** | **Taken by** |
| 1 | Design the dashboard interface with inventory summary components. | 2 hours | Kurt |
| 2 | Integrate inventory and transactions database with the dashboard. | 3 hours | JJ |

## US #2

| **As a user, I want to add new inventory items with details such as name, SKU, category, and quantity so that I can track new stock.** | | | |
| --- | --- | --- | --- |
| **Estimate or Story Points:** 3 | | **Priority:** 75 | |
| **Taken by:**  JJ, Carlo | | | |
| **Pre-condition:** The user is logged into the system and viewing the dashboard. | | | |
| **Scenario:**   1. The user navigates to the inventory management section and selects the option to add a new item. 2. The system prompts the user to input details like name, SKU, category, and quantity. | | | |
| **Post-condition:**  The system shows the only courses that can be enrolled for next term. | | | |
| **Acceptance Criteria:**   * New items are successfully added and visible in the inventory list * Input validations ensure required fields are not left blank. | | | |
|  | | | |
| **Task #** | **Task Description** | **Effort Estimate (hours/days)** | **Taken by** |
| 1 | Design the form interface for adding inventory items. | 2 hours | Carlo |
| 2 | Develop backend logic for saving new inventory items. | 2 hours | JJ |

## US #3

| **As a user, I want to set minimum stock thresholds for items so that the system alerts me when stock is running low.** | | | |
| --- | --- | --- | --- |
| **Estimate or Story Points:** 2 | | **Priority:** 90 | |
| **Taken by:**  JJ, Louise | | | |
| **Pre-condition:** The user is logged in and has access to inventory settings. | | | |
| **Scenario:**   1. The user configures a minimum stock threshold for specific items. 2. The system monitors inventory levels and generates alerts when they drop below the threshold. | | | |
| **Post-condition:**  Alerts for low stock are sent to the user. | | | |
| **Acceptance Criteria:**   * Users can set and modify stock thresholds. * Alerts are accurate and timely. | | | |
|  | | | |
| **Task #** | **Task Description** | **Effort Estimate (hours/days)** | **Taken by** |
| 1 | Add functionality for setting stock thresholds. | 2 hours | JJ |
| 2 | Develop alert generation logic. | 2.5 hours | Louise |

## 

## US #4

| **As an admin, I want to categorize inventory items by type, location, or status (e.g., available, reserved, out-of-stock) so that I can keep the system organized.** | | | |
| --- | --- | --- | --- |
| **Estimate or Story Points:** 5 | | **Priority:** 95 | |
| **Taken by:**  JJ, Kurt | | | |
| **Pre-condition:** The user is logged in and navigates to the reporting section. | | | |
| **Scenario:**   1. The user selects specific report criteria and generates a report. 2. The system processes the request and displays the report with relevant insights. | | | |
| **Post-condition:**  Reports are generated and available for download. | | | |
| **Acceptance Criteria:**   * Reports are accurate and cover selected criteria. * The system supports exporting reports in CSV format. | | | |
|  | | | |
| **Task #** | **Task Description** | **Effort Estimate (hours/days)** | **Taken by** |
| 1 | Design report criteria selection and display interfaces. | 4 hours | Kurt |
| 2 | Develop backend logic to process report generation. | 5 hours | JJ |

## US #5

| **As an admin, I want to categorize inventory items by type, location, or status (e.g., available, reserved, out-of-stock) so that I can keep the system organized.** | | | |
| --- | --- | --- | --- |
| **Estimate or Story Points:** 5 | | **Priority:** 95 | |
| **Taken by:**  JJ, Kurt | | | |
| **Pre-condition:** The user is logged in and navigates to the reporting section. | | | |
| **Scenario:**   1. The user selects specific report criteria and generates a report. 2. The system processes the request and displays the report with relevant insights. | | | |
| **Post-condition:**  Reports are generated and available for download. | | | |
| **Acceptance Criteria:**   * Reports are accurate and cover selected criteria. * The system supports exporting reports in CSV format. | | | |
|  | | | |
| **Task #** | **Task Description** | **Effort Estimate (hours/days)** | **Taken by** |
| 1 | Design report criteria selection and display interfaces. | 4 hours | Kurt |
| 2 | Develop backend logic to process report generation. | 5 hours | JJ |

# Sprint **Plans**

*This section details how your team’s product backlog items will be distributed to the different sprints.*

| **User Stories** | **Sprint 1** | **Sprint 2** | **Sprint 3** |
| --- | --- | --- | --- |
| US #1 | √ |  |  |
| US #2 | √ |  |  |
| US #3 | √ | √ |  |
| US #4 |  | √ |  |
| US #5 |  |  | √ |