InventoryPro

Agile Tracking Sheet

Aiden McCollum

April 4th, 2025

CS 225, Spring 2025

Embry-Riddle Aeronautical University

Daytona Beach campus

1 Aerospace Boulevard

Daytona Beach, FL 32114

Table 1: User Story Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User**  **Story ID** | **User**  **Story** | **Completeness**  **Criteria** | **Effort**  **Estimate**  **(hours)** | **Priority** | **Worked in**  **Sprint**  **(Estimated)** |
| 1 | As a developer, I want to create a basic layout of my program. | A basic code structure exists with classes, attributes, and empty methods. | 4 | 1 | 3 |
| 2 | As a user, I want to be able to log into the platform or create an account if I don’t already have an account. | The user is provided with options to log in or create an account if they don’t have one. Should show menu when user is authenticated. | 2 | 2 | 3 |
| 3 | As a developer, I want to provide the user with a menu of options to perform. | Program displays a menu with all the required options for the user to pick from. Selecting an option triggers empty functions. | 2 | 3 | 1 |
| 4 | As a user, I want to be able to create an item with the required information. | An item is created with the required attributes assigned. Should support both Product and Expense item creation. | 4 | 4 | 6 |
| 5 | As a user, I want to be able to search for and view an item within the program. | The program can output a clear description of an item if provided an ID. | 3 | 5 | 2 |
| 6 | As a user, I want to be able to create a project and assign a manager to it. | A project can be created with manager assignment. Program validates that the manager actually exists. | 6 | 6 | 4 |
| 7 | As a user, I want to be able to assign an item to a location that I created. | Locations can be assigned to items and queried. | 3 | 7 | 6 |
| 8 | As a user, I want to be able to edit and update an item after viewing its information. | Items are able to be edited by reprompting for each field. Item object is updated across the platform | 4 | 8 |  |
| 9 | As a developer, I want to create database files and classes for the user, projects, and items. | Fully operational database that stores values upon creation into the csv files. | 8 | 9 |  |
| 10 | As a user, I want to be able to view my projects and examine all the products in the program. | Program outputs a list of projects when requested by the user. Program also successfully lists all the products in the program. | 4 | 10 |  |

Table 2: Sprint Work Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Sprint** | **Backlog** | **In Work**  **This Sprint** | **Completed**  **This Sprint** |
| 1 | 4,5,6,7,8,9,10 | 1,2,3 | 1,2,3 |
| 2 | 6,7,8,9,10 | 4,5 | 4,5 |
| 3 | 6,7,8,9,10 | 6,7,8 | P5 |
| 4 | P5 | P5 | P6 |

Table 3: Weekly Remaining Effort Estimate (Burn Down Chart)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Start\*** | **Sprint 1** | **Sprint 2** | **Sprint 3** | **Sprint 4** | **End** |
| Planned | 40 | 40 | 30 | 20 | 10 | 0 |
| Actual | 40 | 40 | 28 | 18 | P5 | 0 |

**Hours per sprint = 10**

Chart 1: Visual Burndown Chart