

Phase 1 - Planning Documents

1) Formulating User Stories

Search Function

“As an inventory manager, I want a search function to search for specific items with the available filtering by relevance, name, filtering from cheapest to highest in price”

Login

“As an admin, I want a login feature so that users can have a secure account and be able to buy games or toys from my inventory”

Adding to Cart

"As a customer, I want to add multiple items to my shopping cart to purchase them all at once."

Add, Remove, or Edit Products to the Database

“As an Inventory manager, I want to be able to add, edit, or remove products in my inventory so that I can keep the catalogue up to date”

Receive Stock notifications

“As a store owner, I want to receive notifications when a game’s stock is below a threshold so I can restock in time.”

Customer Reviews

“As a customer, I want to be able to write reviews of products.”

Sales Report

“I want to track the best-selling products to optimize restocking decisions and recommend the most popular games.”

Inventory Purchasing

“As a store employee, I want to mark items as sold (removing from inventory) when processing transactions.”

Updating inventory weekly

“As a store employee, I want to be able to update the inventory weekly so inventory stays accurate

- Overview of Inventory

“As an Inventory Manager, I want to view a real-time overview of the store’s inventory, So that I can monitor stock levels, identify low-stock items, and manage restocking efficiently.”

2) Prioritizing User Stories

MUST Have: Search function, Add, Remove, Edit products to the database, Sort/FilterProducts

SHOULD Have: Update data every Week, Login System

NICE TO Have: Toy Recommendations, Receive stock notifications, Customer Reviews, Inventory Profile with History of Products Purchased, Adding to Cart

3) Estimating Effort with Planning Poker

(SOLO)

Feature	Omar	Vithunan	Tony	Abdullah	Tisha	Consensus	Priority
Login Feature	24 hours	24 hours	48 hours	48 hours	48 hours		30
Add/Edit/Remove from Database	96 hours	96 hours	120 hours	120 hours	96 hours		10
Search Function	24 hours	24 hours	48 hours	48 hours	48 Hours		10
Sort/Filter Products	96 hours	96 hours	72 hours	120 hours	96 hours		20
Adding to Cart	24 hours	24 hour	48 hours	48 hours	24 hours		40
Inventory Purchasing	48 hours	72 hours	48 hours	24 hour	48 Hours		50
Customer Reviews	72 hours	72 hours	96 hours	72 hours	96 hours		50
Stock Notifications	48 hours	24 hour	48 hours	72 hours	48 hours		50
Sales Report	48 hours	24 hours	48 hours	48 hours	48 hours		50
Overview of Inventory	48 hours	24 hours	48 hours	48 hours	48 hours		10
Create Database	96 hours	72 hours	84 hours	72 hours	72 hours		20

User Interface	24 hours	48 hours	72 hours	24 hours	48 hours		20
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(GROUP)

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Sort/Filter Products	96 hours	96 hours	96 hours	120 hours	96 hours	96 hours	20
Adding to Cart	24 hours	48 hours	24 hours	24 hours	24 hours	24 hours	40
Inventory Purchasing	48 hours	24 hours	48 hours	48 hours	48 hours	48 hours	50
Customer Reviews	72 hours	96 hours	72 hours	96 hours	72 hours	72 hours	50
Stock Notifications	48 hours	48 hours	48 hours	72 hours	48 hours	48 hours	50
Sales Report	72 hours	72 hours	72 hours	72 hours	96 hours	72 hours	50
Overview of Inventory	48 hours	24 hours	48 hours	48 hours	48 hours	48 hours	10
Create Database	72 hours	72 hours	72 hours	48 hours	72 hours	72 hours	20
User Interface	24 hours	24 hours	24 hours	48 hours	24 hours	24 hours	20

4) Iteration Planning

Iteration 1: Core Functionality(10 days)

Create Database (3 Days)

Add/Edit/Remove from Database (4 Days)

Search Function (2 Days)

User interface (1 Day)

Iteration 2: Enhancements (10 Days)

Sort/Filter Products (4 days)

Login Feature (2 Day)

Overview of Inventory (2 Days)

Inventory Purchase Orders (2 Days)

Iteration 3: Final Features (10 Days)

Inventory Purchasing (2 Days)

Adding to cart (1 Day)

Customer Reviews (3 Days)

Stock Notification (2 Days)

Sales Report (2 Days)

Update Inventory (2 days)

5) Kanban Board Set Up

https://github.com/users/AbdullahM1234/projects/1/views/3?sliceBy%5Bvalue%5D=_noValue

