

Project Idea - Shop Inventory Catalog

Create a retail product inventory backend

External user's goal:

Search, Create, Read, Update or Delete a catalogue of products for an online shop

Site owner's goal:

Have a reliable inventory available for selling online that is easy to update on a daily basis.

Features to include:

Create a web application that allows users to store and easily access products available for purchase. Products would include the fields:

Unique Documents

- Name
- Description
- Locations
- Quantity
- Price
- EAN
- UPC

Common Documents

- Manufacturer
- Supplier
- Product Category
- Status

Parent Collections

- Products
- Category

Create the backend code and frontend form(s) to allow users to add new products to the site, edit them and delete them.

Create the backend and frontend functionality for users to locate products based on the products fields. Create a full search functionality, and a directory of products.

Provide results in a manner that is visually appealing and user friendly.

Advanced potential feature (nice-to-have):

Build and link a small front end webshop linked the the backend data warehouse. It should have the ability to buy products while changing stock levels in the backend

Create a dashboard to provide some statistics about all the products, informing the use about stock levels on the fly.

Be able to export reports based on the products sold within a range of dates.

Allow a bulk upload to the database from an API such as google sheets.

User Stories

As a user, I would like to use the app on any device.

- Requirement - A mobile specific build platform.

As a retail employee, I would like to find results quickly..

- Requirement - easy to use, obvious interface with fast self learning capabilities.

As a manager, I would like to know stock levels at a glance.

- Requirement - a dashboard featuring product quantities, and product histories.

As a potential user, I would like to know how to install and make use of this product

- Requirement - A detailed installation guide for new users.

As a manager, I would like to know how to request additional features.

- Requirement - A form page with a request email.