# Shop Inventory

## Design Problem

Build an app which allows a shopkeeper to track their shop's inventory. This is not an app which the customer will see, it is an admin/management app for the shop workers.

## User Queries

### What user needs is your product going to answer? Can you document that?

* Organisation of stock, relieving user of need to track items and simplify process of removing, adding, and keeping track of stock.
* The need for a simple system where data can be inputted, organised, and retrieved according to need.

### Why would your users want to use this over something similar that they've seen elsewhere?

* Simplicity, speed, and ease of use.
* Ability to use advanced, self-calculating methods.
* Light code, cheap to run.
* System can be easily amended to adapt to the users needs.

### How could you make sure that your website uses interface solutions that users are familiar with?

* User testing.
* Conversations with users to understand their understanding of, and ability to use, websites.

### What is the user journey — how will users interact with your product, and how many steps will be necessary to complete their goals?

## Proto-Persona

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Demographics | Values & Behaviours | Pain Points |
| Judy Stillmer | * Age 46. * Owner of a small bookshop. * Does not have much money for internal systems. * Not particularly IT literate. * Wears glasses. * Has two young children. | * Likes fast solutions to complex problems. * Wants to focus on the business of the bookshop rather than on inventory. * Also wants to focus on the customer, rather than worrying about managing stock. | * When it takes too long to get the information she requires. * When items are too small on the screen. * When she has to manage inventory records manually. |

## User Needs

|  |  |  |
| --- | --- | --- |
| **As a** | **I want to** | **So that** |
| Shop owner handling regular transactions. | Be able to update my stock quickly. | I can spend more time focusing on my customers. |
| Shop owner with bad eyesight. | Be able to read the items on the screen easily. | I can make sure I am entering information correctly. |
| Shop owner with fluctuating stock. | Be able to easily view items I have in stock. | Be sure of the items I have in my shop, and ensure my customers are happy. |
| Shop owner with limited IT literacy. | Be able to use and navigate the system easily. | I do not get frustrated. |
| Shop owner with limited IT literacy. | Have a system that is not heavy to run and does not needlessly complicate matters. | I do not have to try and address the outcomes of problems with the system. |

## User Journey