Mayden Developer Recruitment Coding Challenge

Rules

- Agree the number of hours you can commit to (up to 6) and select the number of stories you feel like you can achieve within this time.
- Commit the code to a public repository.
- Don't worry about using our tech stack, use a stack you're comfortable with.
- Please email a link to your repository by the deadline provided.
- Any questions, please email: recruitment@mayden.co.uk .

Things We're Looking For

We're looking for well structured, secure and clean code that is adequately tested.

Overview

As a healthcare company we have a keen eye on healthy eating and it's been suggested by an employee that we have an easy way to keep track of what we need, what needs to be purchased and keep spending within the budget constraints. Below, are a number of stories which will achieve this objective.

Stories

1. View a list of items on a shopping list

> **As a …** Shopper
> **I want to …** View items on my shopping list
> **So I can …** See what I have chosen to purchase
>
> **Requirements:**
> Create a shopping list that can contain a list of groceries

2. Add items to the shopping list

As a … Shopper
I want to … be able to add items to my shopping list
So I can … Add new items to my shopping list that don't already exist on it

Requirements
Create a way for a user to add an item to the shopping list

3. Remove stuff from the shopping list

As a … shopper
I want to … be able to remove items from my shopping list
So I can … Change my mind or fix my mistakes

Requirements
Create a way for user to remove an item to the shopping list

4. When I've bought something from my list I want to be able to cross it off the list

As a … shopper
I want to … have a way of marking off when I've picked up an item
So I can … see what I still need to find

Requirements
Create a way for users to know what they have and haven't already picked up

5. Persist the data so I can view the list if I move away from the page

As a … shopper
I want to … be able to still see the state of my shopping list when I come back to it
So I can … still see the items I've added and marked off when I get to the supermarket

Requirements
Persist shopping list state between page visits

6. I want to be able to reorder items on my list

As a … shopper
I want to … be able to reorder items on my shopping list
So I can … maintain my supermarket route when the supermarket swaps things around on it's shelves

Requirements
Create a way for user to be able to change the order of items in their shopping list

7. Total up the prices

As a … shopper
I want to … see the total of how much the items on my list are going to cost me **So I can …** quickly see whether my shop is in budget

Requirements
Display the total cost for the whole shop

8. Put a spending limit in place, alert me if I go over the limit

As a … shopper
I want to … see the total of how much the items on my list are going to cost me **So I can …** quickly see whether my shop is in budget

Requirements
Display the total cost for the whole shop

9. I want to share my shopping list via email

As a … shopper
I want to … I want to send my shopping list to my partner
So I can … shop instead of me

Requirements
Add functionality to send the shopping list via email

10. User and password protect

As a … shopper
I want to … protect my shopping list from other people
So I can … be sure it's unchanged when I go back to it

Requirements
Add a login system to persist shopping lists for different users