



# The Bank of Notes (and Coins!)

-a simple marketplace app-

by Ana Lazarevska

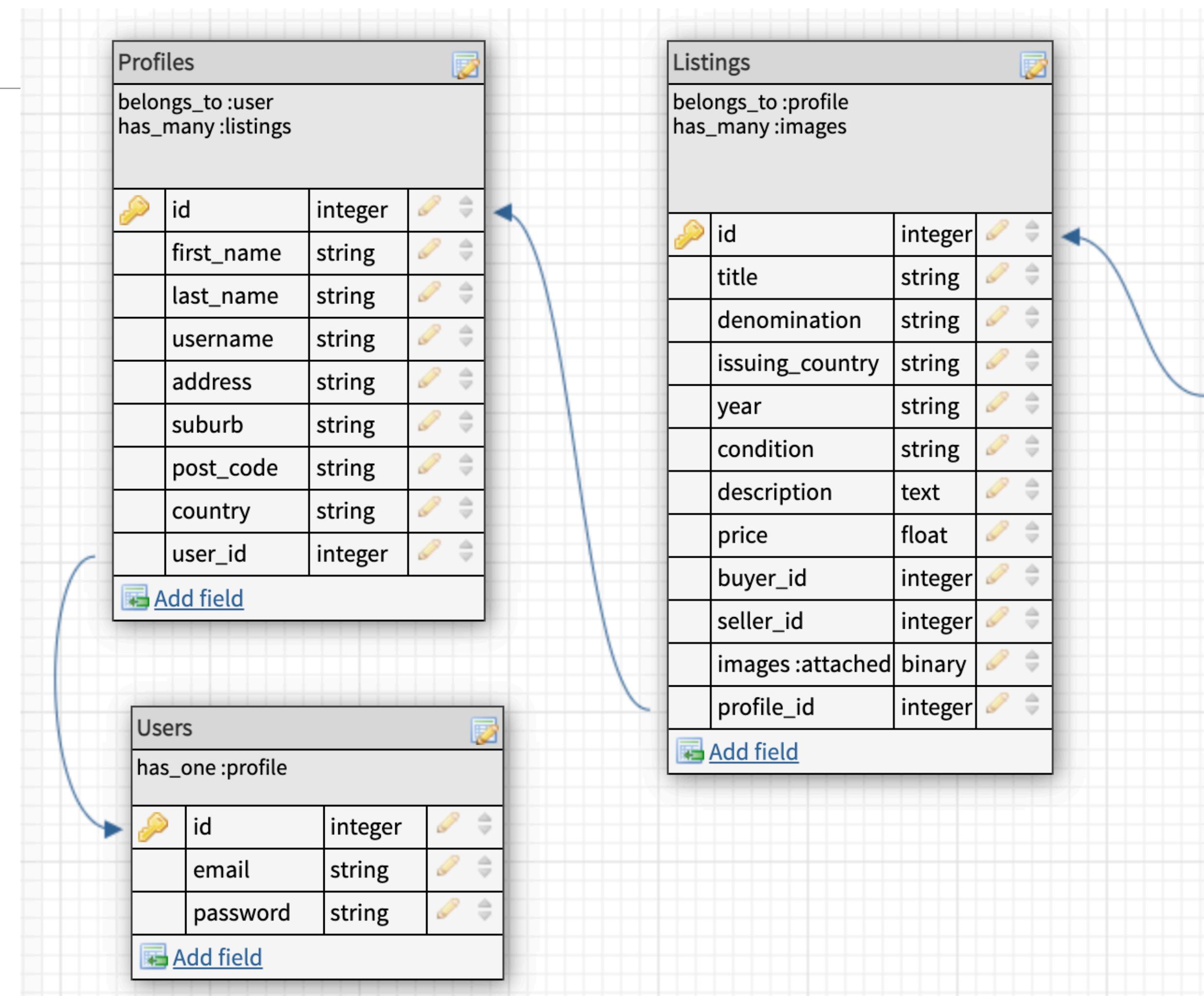
# The Inspiration / The Problem

- I was inspired by the past (as always)
- How can I buy old money for my collection?
- A place where non-collectors can easily buy/sell the old money they have at home
- Existing websites:
  - concentrate on numismatics
  - private businesses or resellers
  - offer other financial services
  - not really for amateurs



# ERD

- Simple ERD with four tables for Listings, Profiles, Users, and Images
- has\_one, has\_many, belongs\_to associations



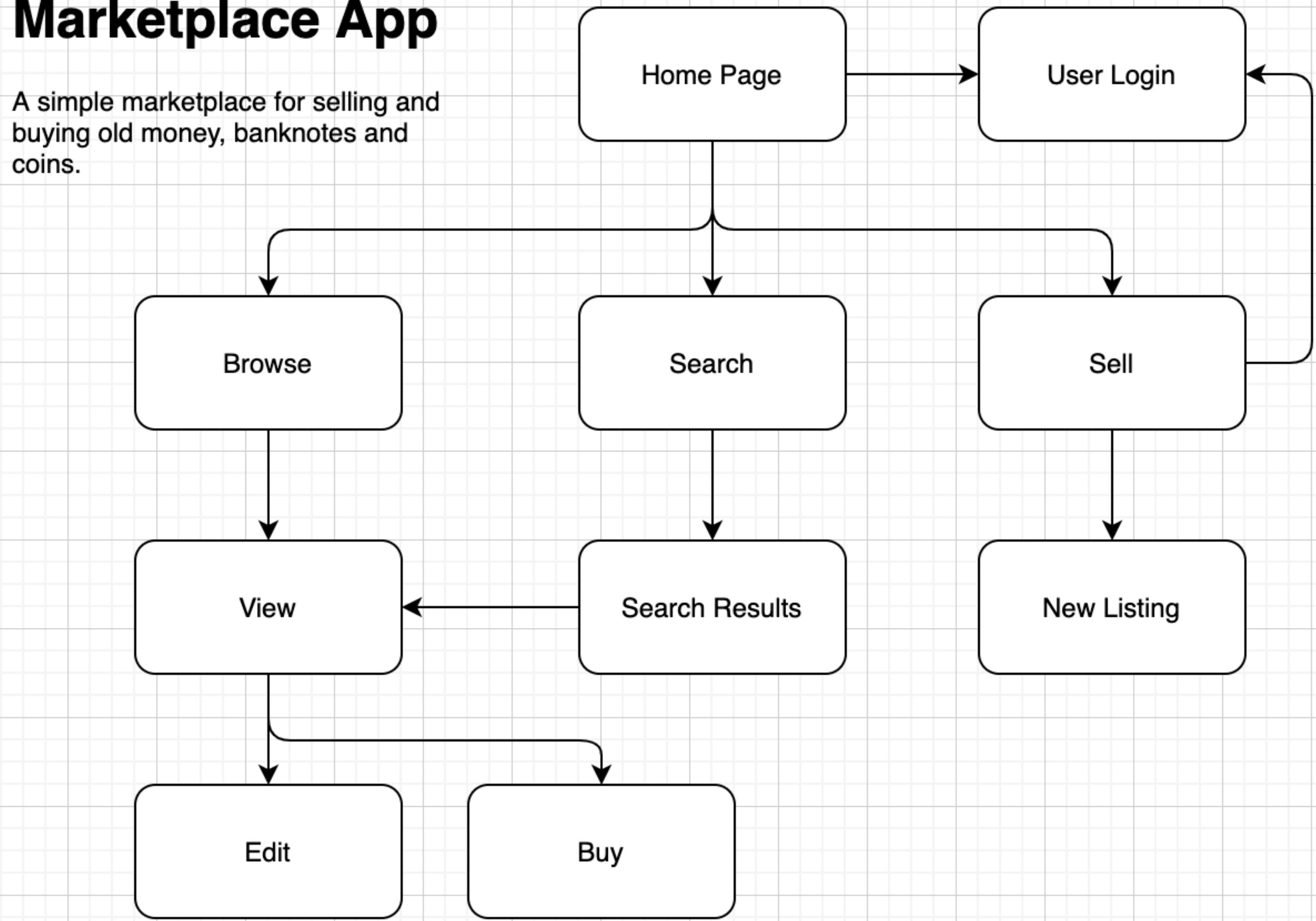
Post\_code is string because in UK it contains letters and numbers. Same reason why unit is string.  
Year is string to include possible BC or AD.

# Sitemap

- Through the navbar the user can go to the Home Page, Browse, Search, Sell and Login
- Viewing the listing is done through the Browse page
- Edit and Delete only by seller who views his listing
- To buy a listing the user has to View the listing
- To sell a listing the user has to click to Sell button on navbar

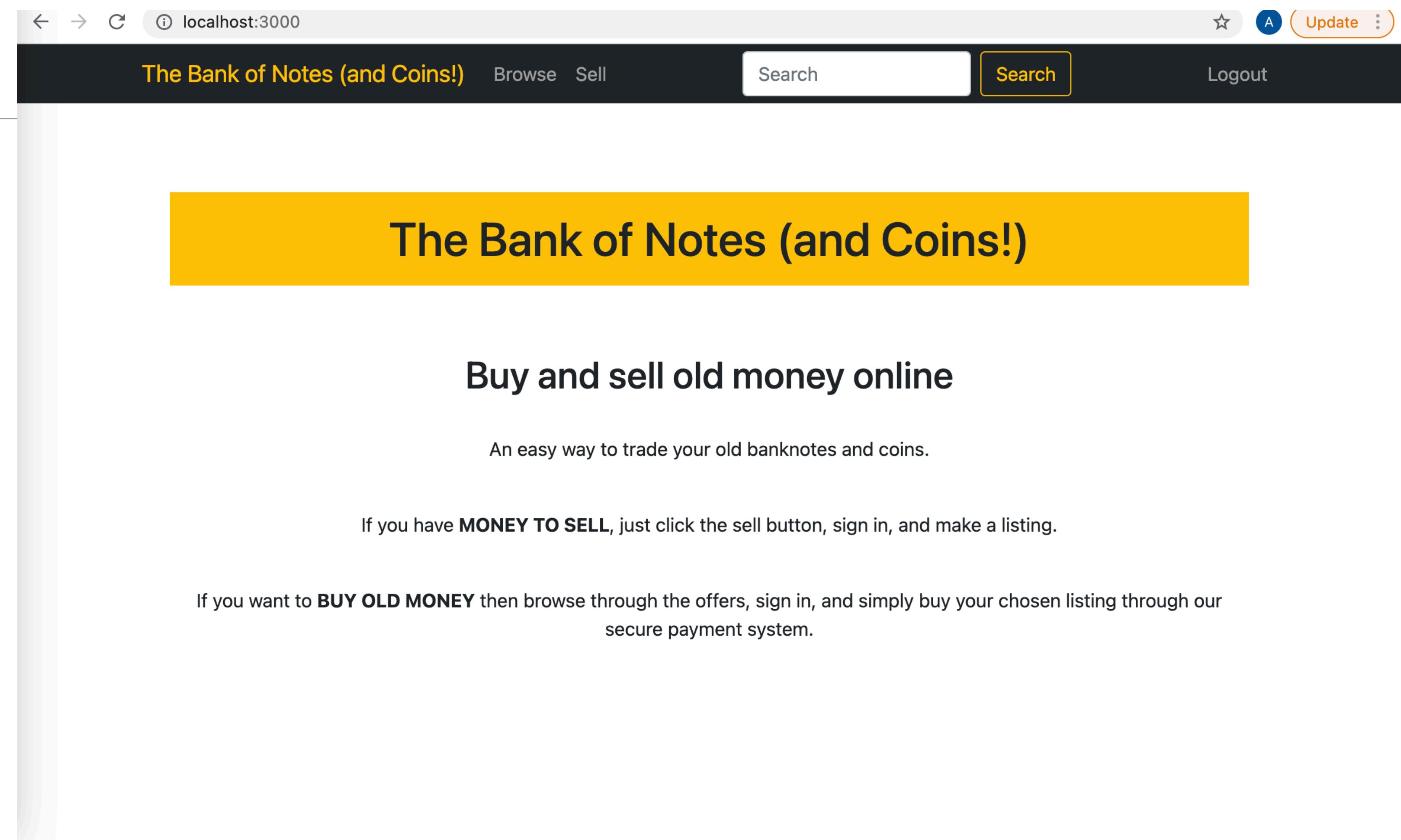
# The Bank of Notes (and Coins!) Marketplace App

A simple marketplace for selling and buying old money, banknotes and coins.



# Homepage

- Simple navbar with Bootstrap
- The app name takes you to homepage
- The search is in development phase
- Info on the homepage is short introduction about the app and how to use it



# Wireframes (homepage)



# Browse Offers

- Browse button brings all the listings
- By clicking view the user can see more info and two photos (obverse and reverse)
- Just basic info available on the browse page

The Bank of Notes (and Coins!)    Browse    Sell    Search    Search    Logout

## Browse the current offers



Australian 90 Dollar from 1953

Denomination: 90 Dollars

Issuing country: Australia

Year: 1953

Price: \$56.94

[View](#)



Russian coin kopek

Denomination: 25 kopeks

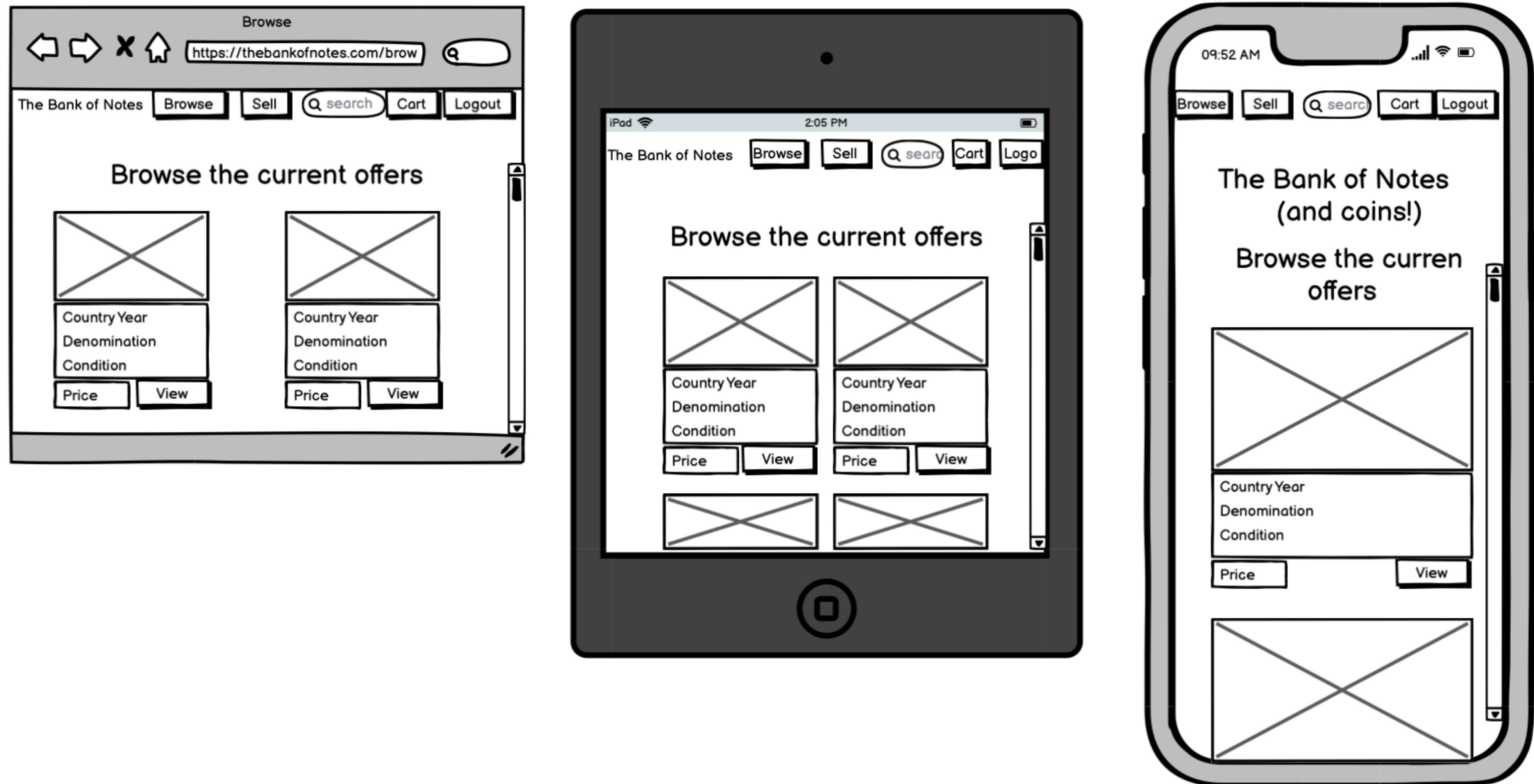
Issuing country: Russia

Year: 1999

Price: \$15.0

[View](#)

# Wireframes (browse)



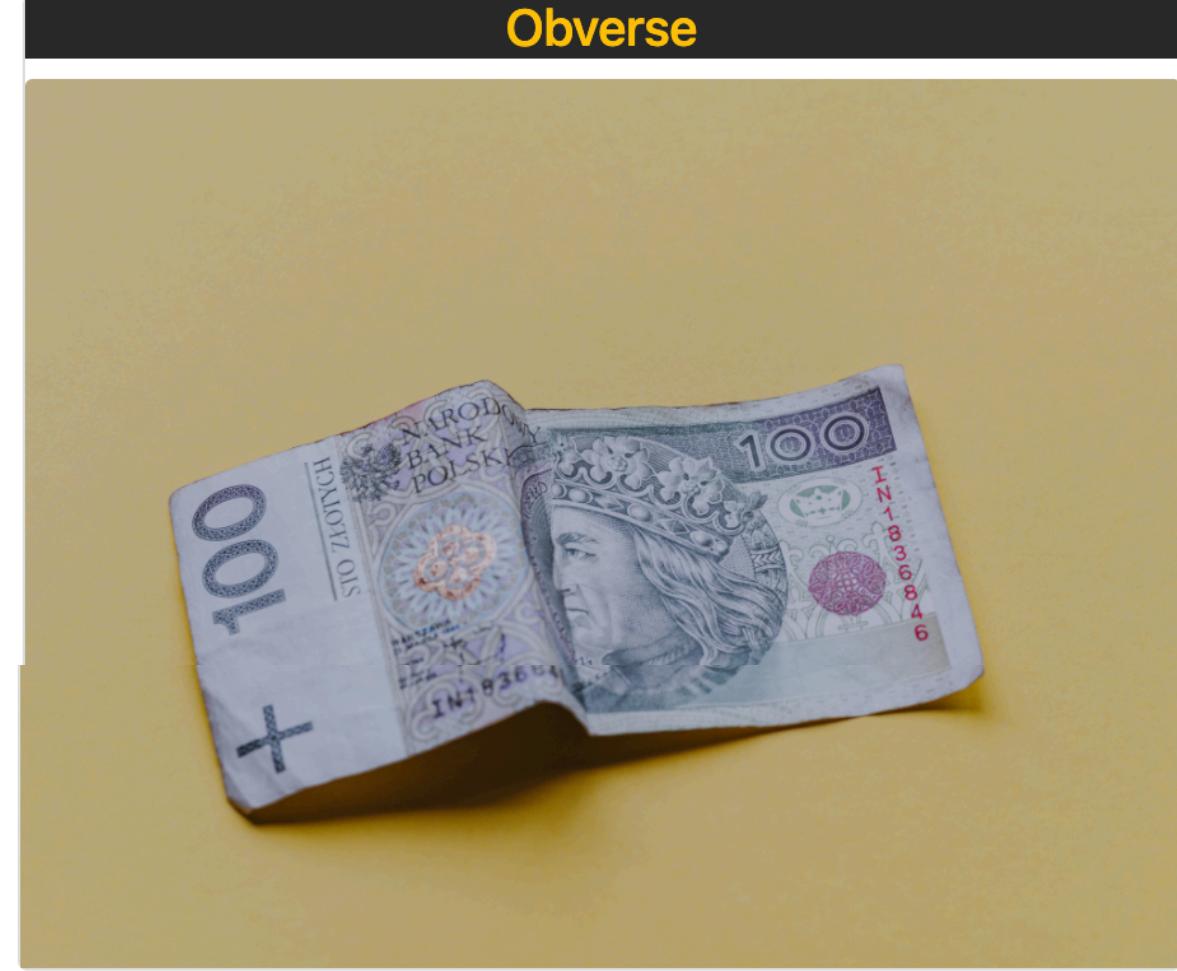
# View Listing (buyer - logged in)

- Buy button visible only to users who are logged in
- More info about each listing, including seller for easier tracking
- Two images for each listing, obverse and reverse (appropriately labeled)
- Plan to include gallery or carousel of images abandoned due to it requiring JavaScript

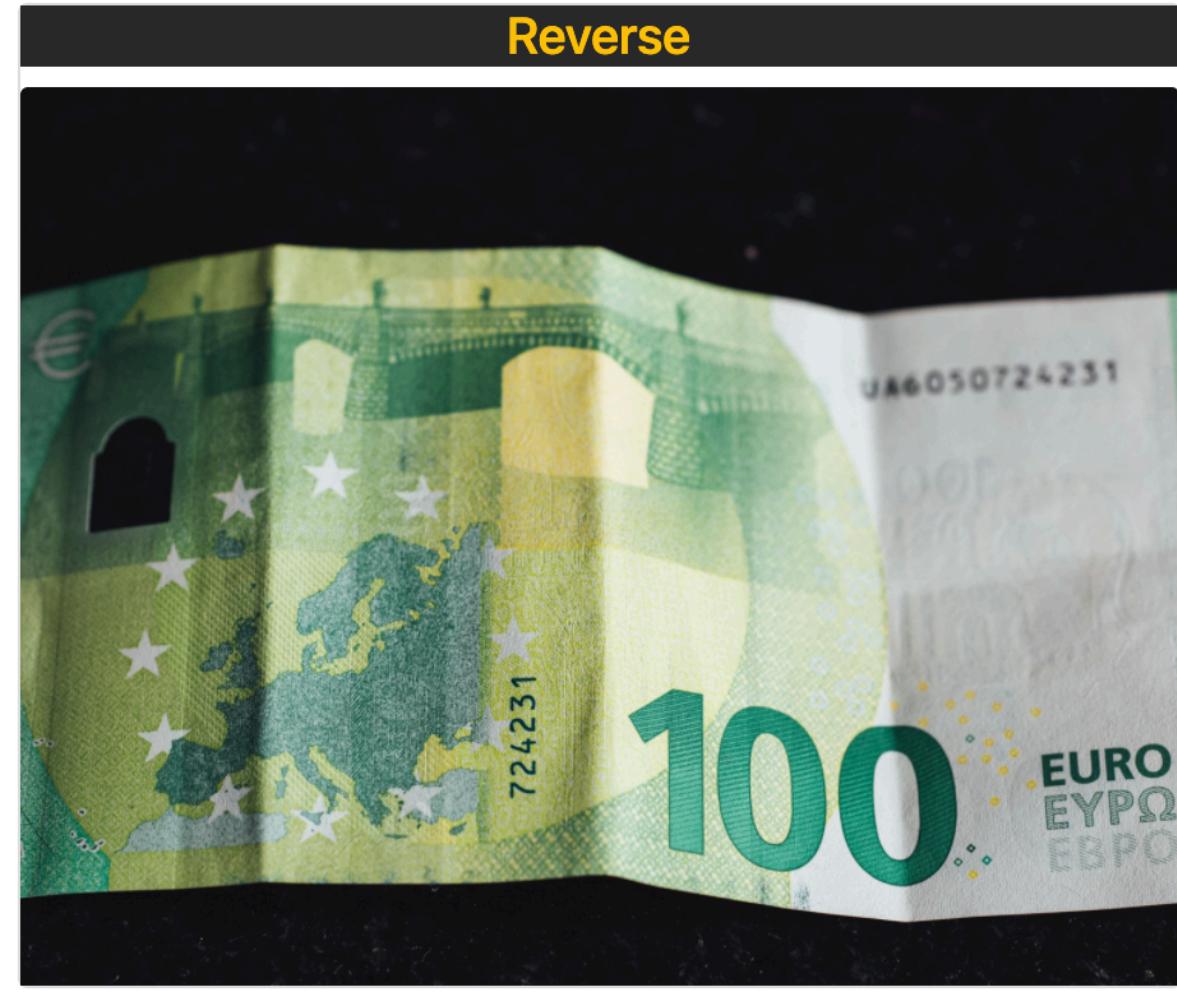
localhost:3000/listings/28

The Bank of Notes (and Coins!)    Browse    Sell    Search    Search    Logout

## Polish zlot



Obverse



Reverse

Denomination: 100 Złot

Issuing country: Poland

Year: 1984

Condition: Good

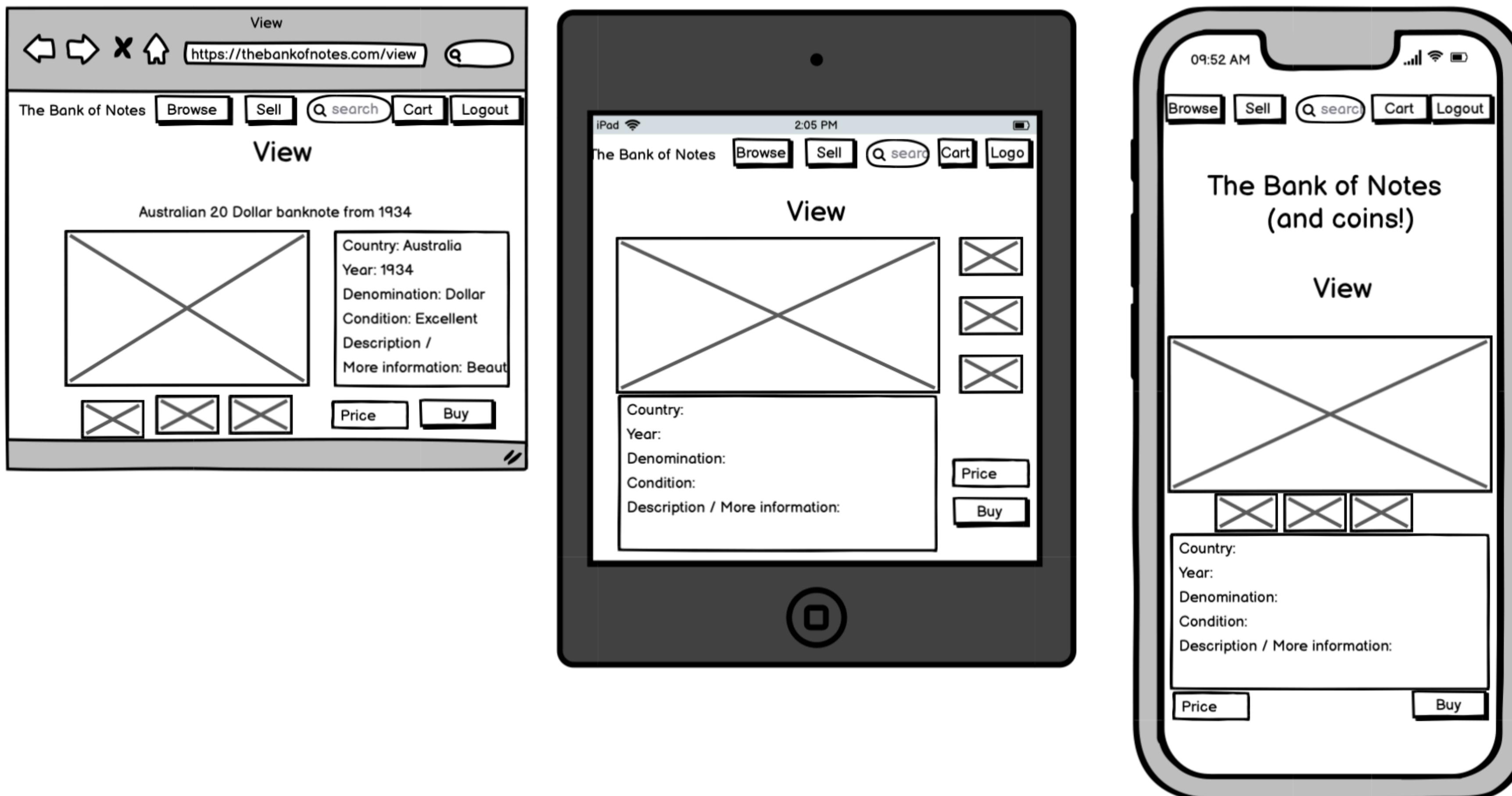
Description: There are no tears on this banknote

Seller: ana

Price: \$17.9

Buy

# Wireframes (view listing)



# View Listing (logged out)

- The same info as when an user is logged in, just no Buy button visible

localhost:3000/listings/27

The Bank of Notes (and Coins!)    Browse    Sell    Search    Search    Login

## Russian coin kopek

**Obverse**



**Reverse**

Denomination: 25 kopeks  
Issuing country: Russia  
Year: 1999  
Condition: Excellent  
Description: Almost mint condition  
Seller: ana  
Price: \$15.0

## View Listing (seller)

- The seller can edit or delete his own listing



Reverse

Condition: Fair

Description: Beautiful banknote in a fare condition, heavily used.

Seller: ana1

Price: \$10.0

Edit

Delete

## View Listing (sold)

- The Buy button turns to Sold when a purchase is made and the listing is no longer available for sale



Reverse

Condition: Fair

Description: Beautiful banknote in a fare condition, heavily used.

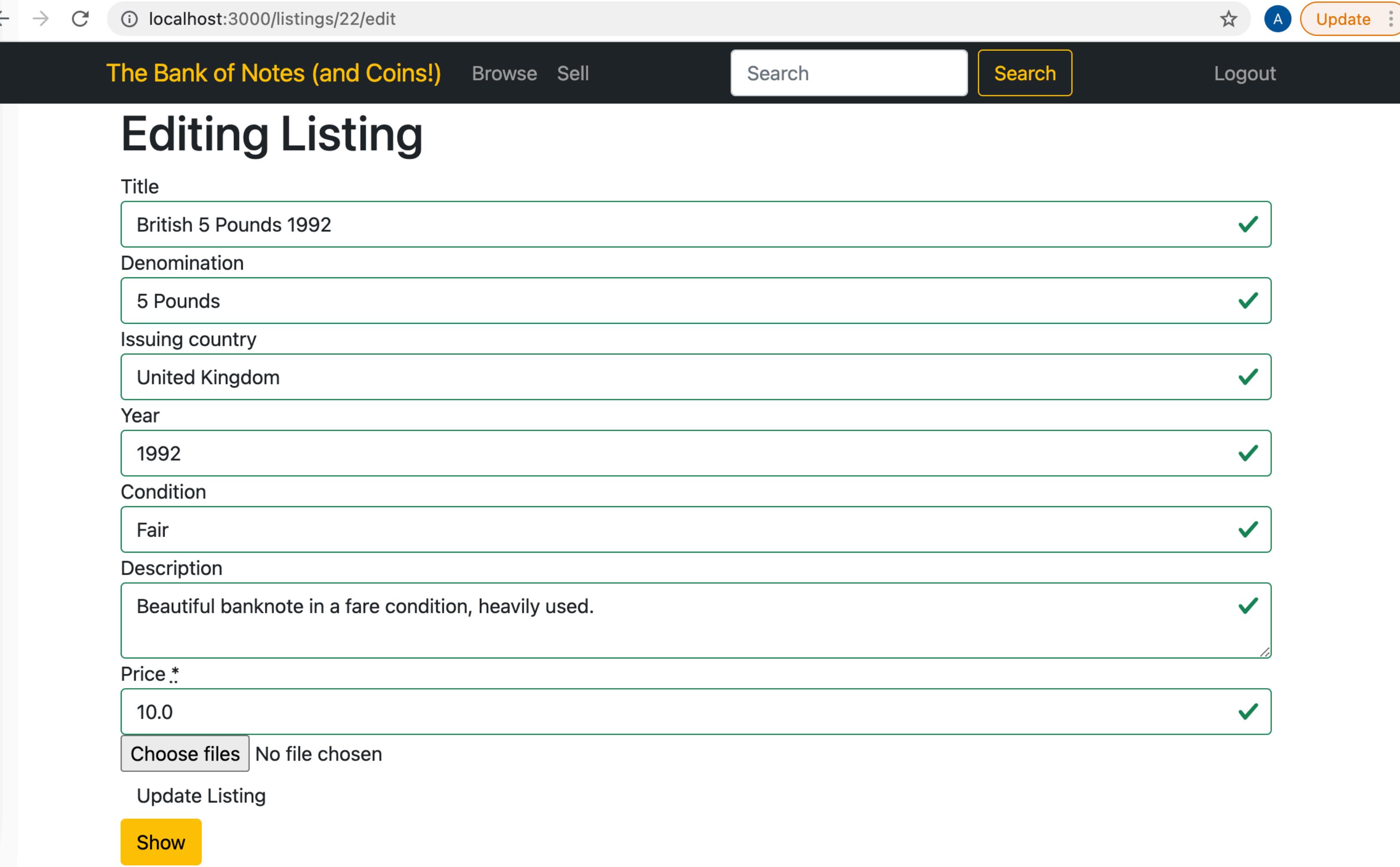
Seller: ana1

Price: \$10.0

Sold

# Edit Listing (seller)

- Validation is applied to Price and Images
- The other fields can be left empty



The screenshot shows a web application for editing a listing. At the top, there's a navigation bar with links for 'Browse' and 'Sell', a search bar, and a 'Logout' link. On the far right of the navigation bar, there are three icons: a star, a blue circle with the letter 'A', and an orange 'Update' button.

The main content area is titled 'Editing Listing'. It contains several input fields:

- Title:** British 5 Pounds 1992 (with a green checkmark)
- Denomination:** 5 Pounds (with a green checkmark)
- Issuing country:** United Kingdom (with a green checkmark)
- Year:** 1992 (with a green checkmark)
- Condition:** Fair (with a green checkmark)
- Description:** Beautiful banknote in a fare condition, heavily used. (with a green checkmark)
- Price \*:** 10.0 (with a green checkmark)

Below the price field is a file input labeled 'Choose files' with the placeholder 'No file chosen'.

At the bottom of the form are two buttons: 'Update Listing' (in blue) and 'Show' (in yellow).

# Stripe Checkout

- Stripe implemented and functioning properly
- Canceling the purchase returns the user to the Listing page

The screenshot shows a Stripe Checkout payment interface. At the top, the URL is `checkout.stripe.com/pay/cs_test_a13ldMNeH...#fidkdWxOYHwn...`. Below the URL, the page title is "The Bank Of Notes" with a "TEST MODE" button. The product name is "Polish zlot" and the amount is "A\$17.00". On the right side, there is a "Pay with card" section containing fields for "Email" (empty), "Card information" (with placeholder "1234 1234 1234 1234" and icons for VISA, MasterCard, American Express, and JCB), "MM / YY" (empty), "CVC" (empty), "Name on card" (empty), "Country or region" (set to "Australia"), and a checkbox for "Save information to pay faster next time" (unchecked). A large blue "Pay A\$17.00" button is at the bottom. At the bottom left, there is a "Powered by stripe" link and links for "Terms" and "Privacy".

← → C 🔒 checkout.stripe.com/pay/cs\_test\_a13ldMNeH...#fidkdWxOYHwn...

The Bank Of Notes TEST MODE

Polish zlot

A\$17.00

Email

Card information

1234 1234 1234 1234

VISA MasterCard American Express JCB

MM / YY CVC

Name on card

Country or region

Australia

Save information to pay faster next time

Pay A\$17.00

Powered by stripe | Terms Privacy

# New Listing / New Profile

- Clicking on the Sell button takes the user to create New Listing (unless not logged in)
- Fully functioning forms for creating New Listing and New Profile
- Validation implemented for Price and Images in Listing
- Validation implemented for Username in Profile

The Bank of Notes (and Coins!) [Browse](#) [Sell](#)

## New Listing

Title

Denomination

Issuing country

Year

Condition

Description

Price \*

No file chosen

[Create Listing](#) [Back](#)

The Bank of Notes (and Coins!) [Browse](#) [Sell](#)

## New Profile

First name

Last name

Username \*

Address

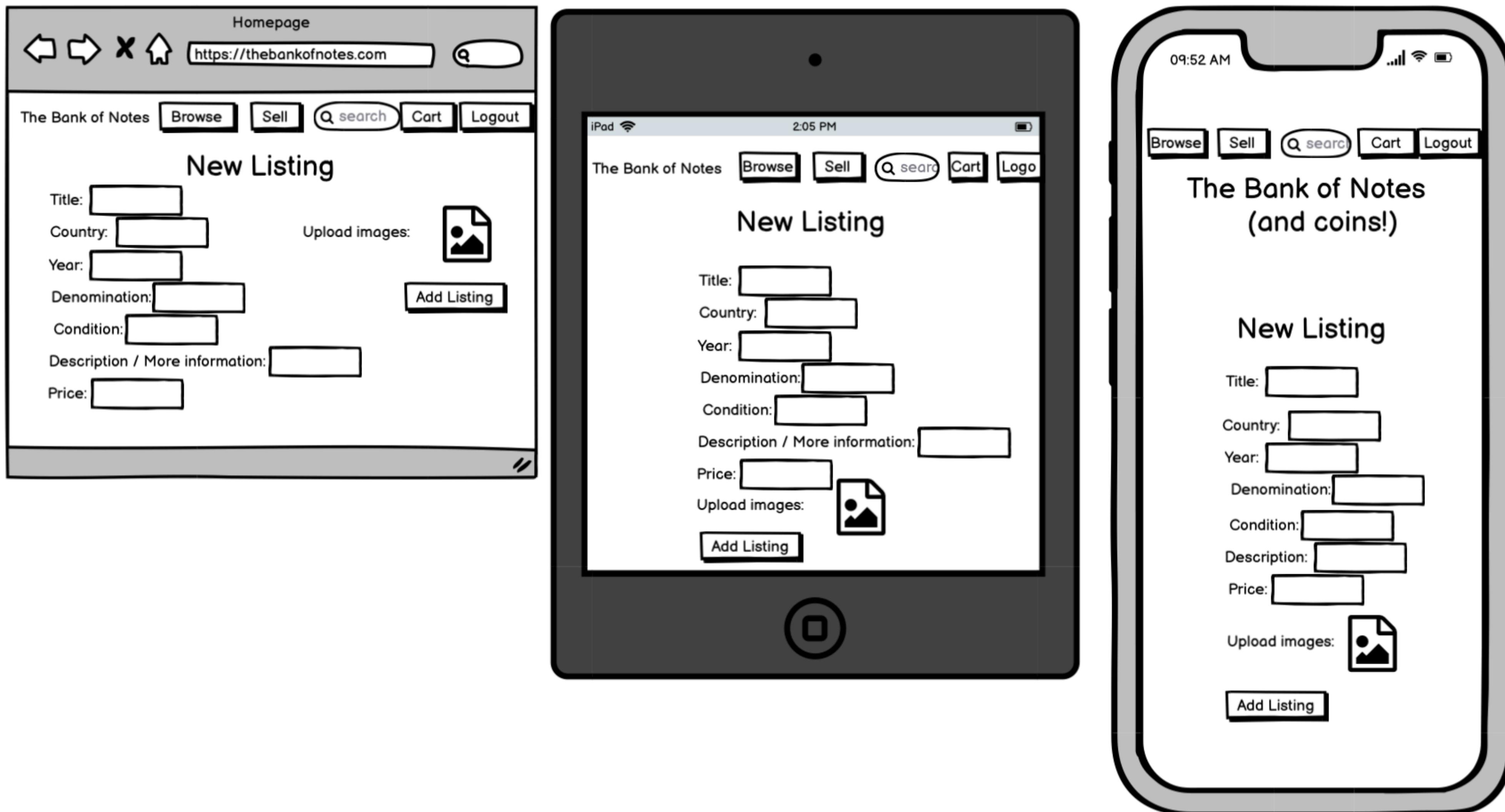
Suburb

Post code

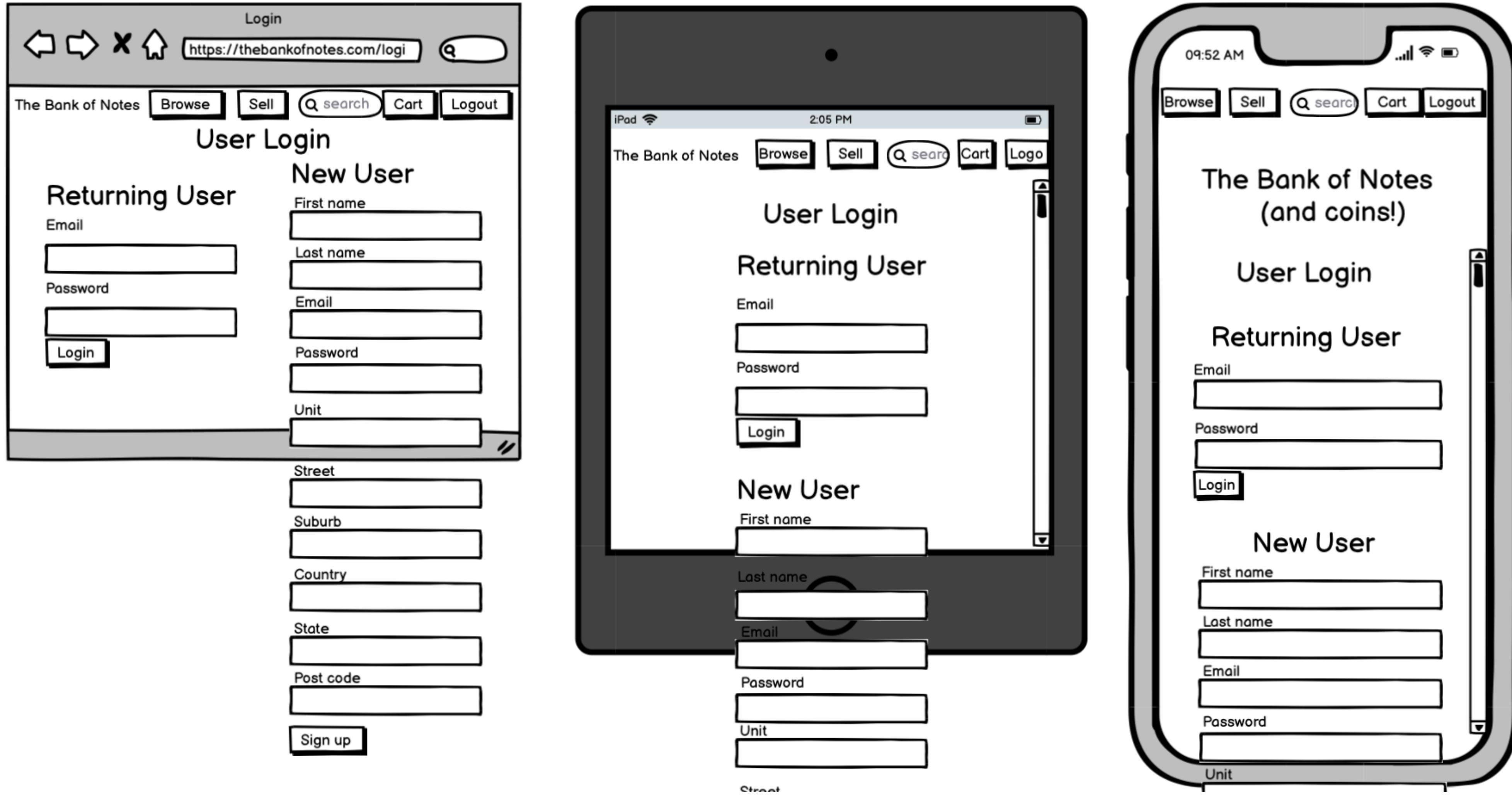
Country

[Create Profile](#) [Back](#)

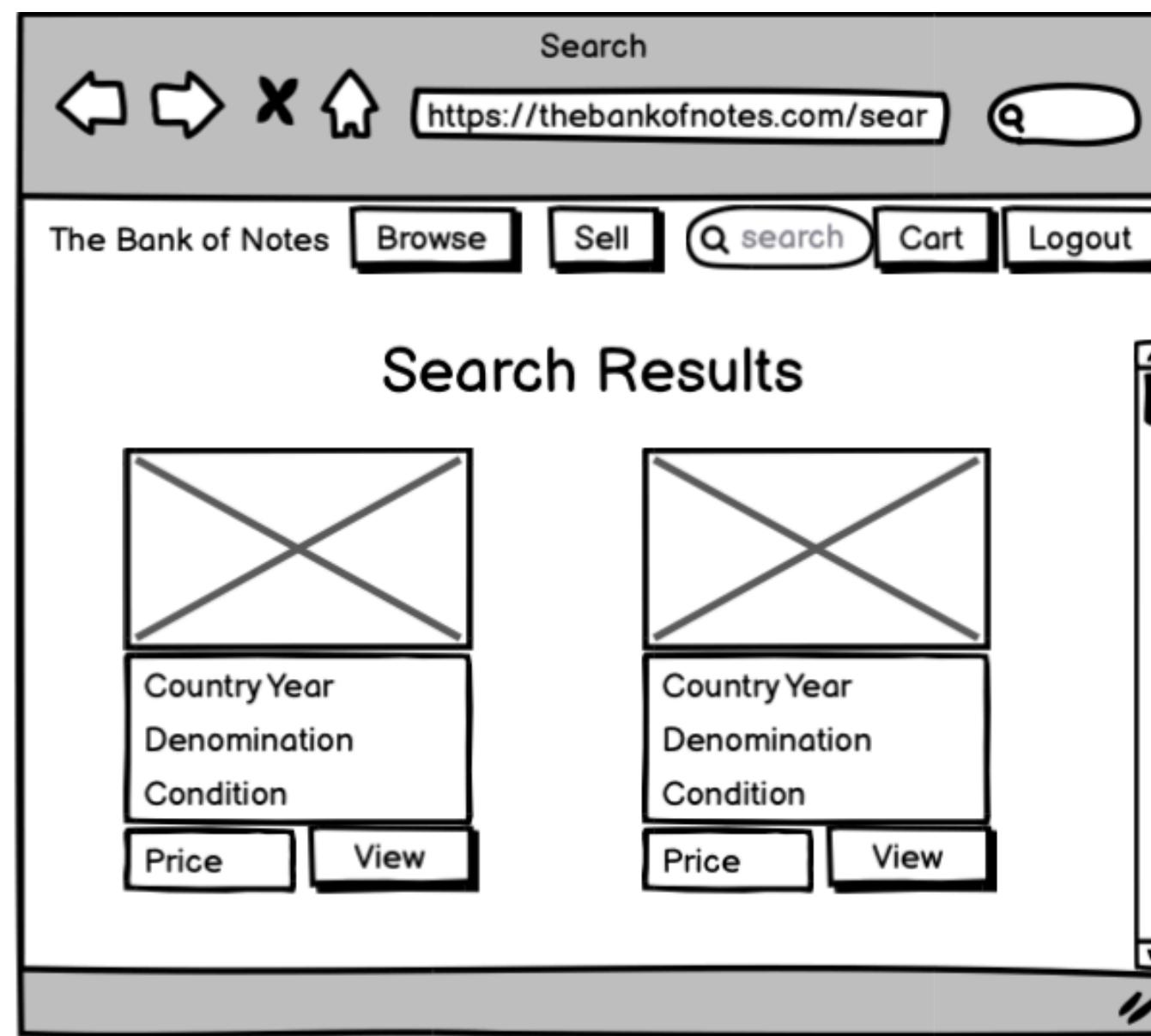
# Wireframes (new listing)



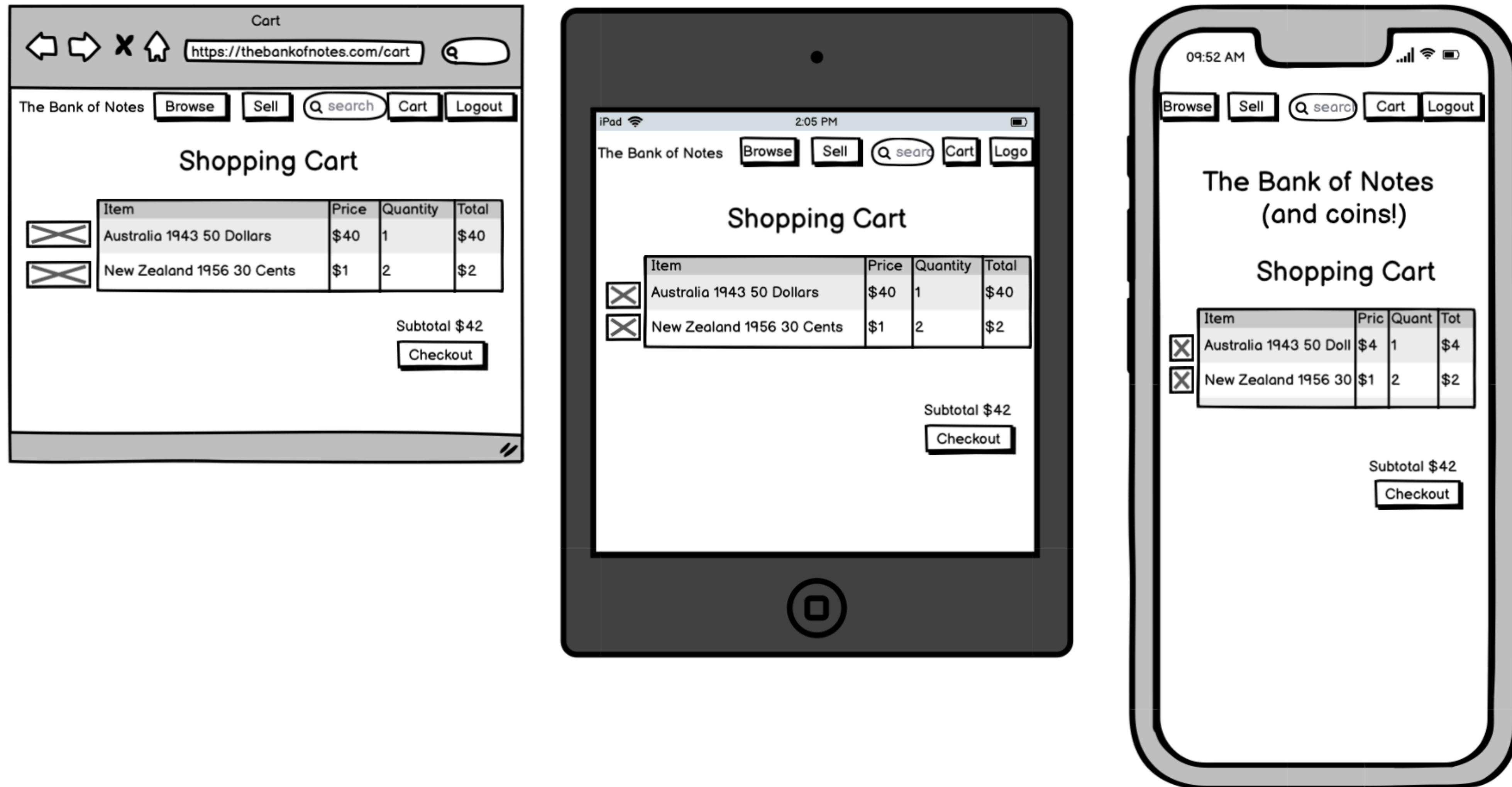
# Wireframes (login) ... separated in two pages



# Wireframes (search results) ... to do



# Wireframes (shopping cart) ... to do



# Responsive Design (phone)

The image shows four smartphones side-by-side, each displaying a different page from a mobile-optimized website for collecting old banknotes and coins.

- Smartphone 1:** Shows the homepage with a yellow header bar containing the site name "The Bank of Notes (and Coins!)". Below it is a section titled "Buy and sell old money online" with descriptive text and two "View" buttons.
- Smartphone 2:** Shows a "Browse the current offers" page. It features a large image of a 100 Australian Dollar note from 1953. Below the image are details: Denomination: 90 Dollars, Issuing country: Australia, Year: 1953, Price: \$56.94, and a "View" button.
- Smartphone 3:** Shows a product page for a "Russian coin kopek". It displays two images: the obverse (front) showing a profile of a man and the reverse (back) showing the number 25. Below the images are details: Denomination: 25 kopeks, Issuing country: Russia, Year: 1999, Condition: Excellent, Description: Almost mint condition, Seller: ana, Price: \$15.0, and "Edit" and "Delete" buttons.
- Smartphone 4:** Shows a "New Listing" form. The form includes fields for Title\*, Denomination, Issuing country, Year, Condition, Description, Price\*, and a file upload section ("Choose files"). At the bottom are "Create Listing" and "Back" buttons.

# Responsive Design (tablet)

The Bank of Notes (and Coins!) [Browse](#) [Sell](#)  [Search](#) [Logout](#)

## The Bank of Notes (and Coins!)

**Buy and sell old money online**

An easy way to trade your old banknotes and coins.

If you have **MONEY TO SELL**, just click the sell button, sign in, and make a listing.

If you want to **BUY OLD MONEY** then browse through the offers, sign in, and simply buy your chosen listing through our secure payment system.

The Bank of Notes (and Coins!) [Browse](#) [Sell](#)  [Search](#) [Logout](#)

## Browse the current offers

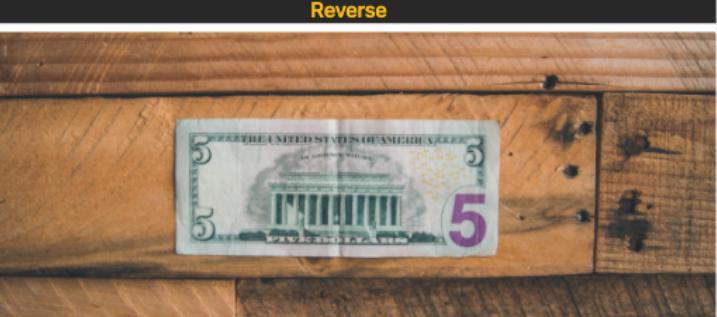
  
Australian 90 Dollar from 1953  
Denomination: 90 Dollars  
Issuing country: Australia  
Year: 1953  
Price: \$56.94  
[View](#)

  
British 5 Pounds 1992  
Denomination: 5 Pounds  
Issuing country: United Kingdom  
Year: 1992

The Bank of Notes (and Coins!) [Browse](#) [Sell](#)  [Search](#) [Logout](#)

## Australian 90 Dollar from 1953

  
Obverse  
Australian 90 Dollar from 1953  
Denomination: 90 Dollars  
Issuing country: Australia  
Year: 1953  
Condition: excellent  
Description: Great rare banknote from the war period  
Seller: ana  
Price: \$56.94

  
Reverse

The Bank of Notes (and Coins!) [Browse](#) [Sell](#)  [Search](#) [Logout](#)

## New Listing

Title:

Denomination:

Issuing country:

Year:

Condition:

Description:

Price:

No file chosen

[Create Listing](#) [Back](#)