Tivix coding task

As part of our technical evaluation, we are giving you a take home coding assignment. This will allow you to demonstrate your current knowledge and skills. We want to see how you approach the challenge and execute in coding, logic and overall problem-solving.

We wish you the best of luck. Feel free to reach out if you have any follow-up questions.

LEGO Harry Potter mystery!

In this project, you'll be coding a simple application that allows users to order LEGO mini figures (commonly referred to as a **minifigs**) from the Harry Potter series. You'll draw a random minifig from the API - the user can choose to order this minifig or draw again. If they choose to order a minifig, they will need to fill out the shipping details form.

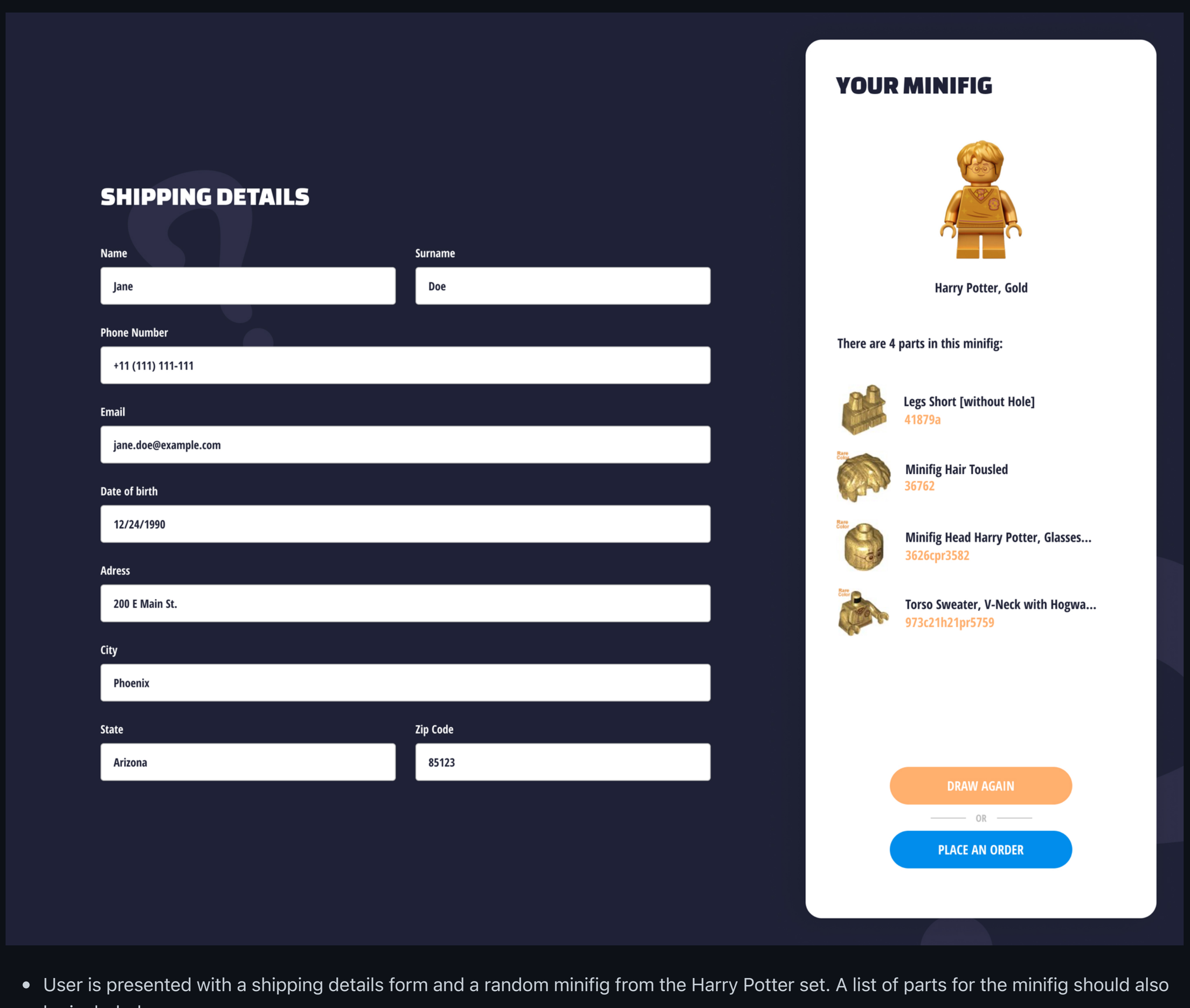
Down below, you'll see we've included a mock-up for the app - you may use any design approach you find suitable to get accurate results.

Please use whatever libraries you find suitable to accomplish this task. Don't re-invent the wheel by developing you own form library.

Rebrickable API

The list of Harry Potter minifigs can be fetched from one of the endpoints from the Rebrickable API. Please keep in mind that we are only looking for figures from the Harry Potter series. Rebrickable API also allows you to fetch a list of parts for each figure, which will come in handy.

Requirements



- User is presented with a shipping details form and a random minifig from the Harry Potter set. A list of parts for the minifig should also be included.
  - A list of parts for each figure can also be fetched from the Rebrickable API
- There are two buttons. "Draw again" button fetches a new minifig from the API and replaces the existing one. "Place an order" button submits the form
- "Place an order" button is enabled only when there are no validation errors
- Validation errors should be presented to the user (either below each field, or "globally")
- "Place an order" button should make a fake POST request with all the necessary fields (please propose your own JSON structure you find suitable for this use-case) and take the user back to the first step.

Validation rules:

- First Name - string (minimum 1, maximum 255 characters)
- Last Name - string (minimum 1, maximum 255 characters)
- Phone number - a valid US phone number
- Date of birth - date (only dates in the past)
- Email - valid email
- Street - string (minimum 1, maximum 255 characters)
- City - string (minimum 1, maximum 255 characters)
- State - select (all 50 USA states as options)
- Zip Code - string (5 or 10 characters) - possible US formats include 12345 and 12345-6789