UI Interview: Project

(2 hours)

You must build the UI described below.

You may optionally use Google/Baidu.

You may optionally use any JS framework or library. Examples: node/npm/React/Angular/Vue/jQuery/lodash.

You may use your local development environment or you may use an online environment like codesandbox.io.

Please write code without bugs and that is ready for other engineers to read and extend.

If you will not finish within 2 hours, do not go over 2 hours. Instead, please write comments to explain what is left to do and instructions that are clear enough for another engineer to finish.

You will be graded not just on completion but also on code quality.

The design team has given you these mock designs:

Products

Search products

☐ In stock products only

Sporting Goods

Hockey Puck	$19.99	View detail
Baseball	$9.99	View detail
Basketball	$29.99	View detail

Electronics

iPod Touch	$199.99	View detail
iPhone 6	$399.99	View detail
Galaxy S20	$799.99	View detail
Mac Pro	$5999.99	View detail

Clothing

Lattice Jacket	$99.99	View detail

Products

ball

☐ In stock products only

Sporting Goods

Baseball	$9.99	View detail
Basketball	$29.99	View detail

Products

ball

☑ In stock products only

Sporting Goods

Baseball $9.99   View detail

Products

nosuchproductexists

☐ In stock products only

No products found.

Products

Search products

☐ In stock products only

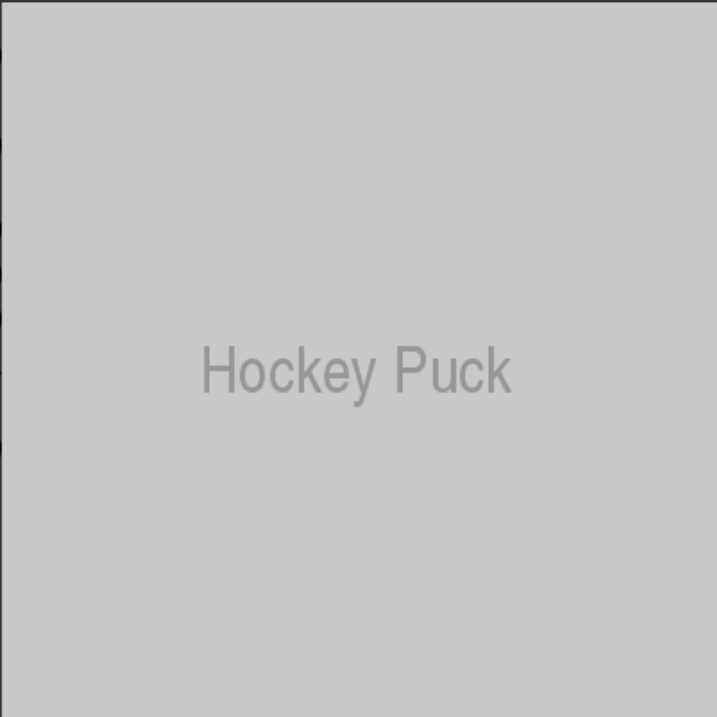**Sporting Goods**
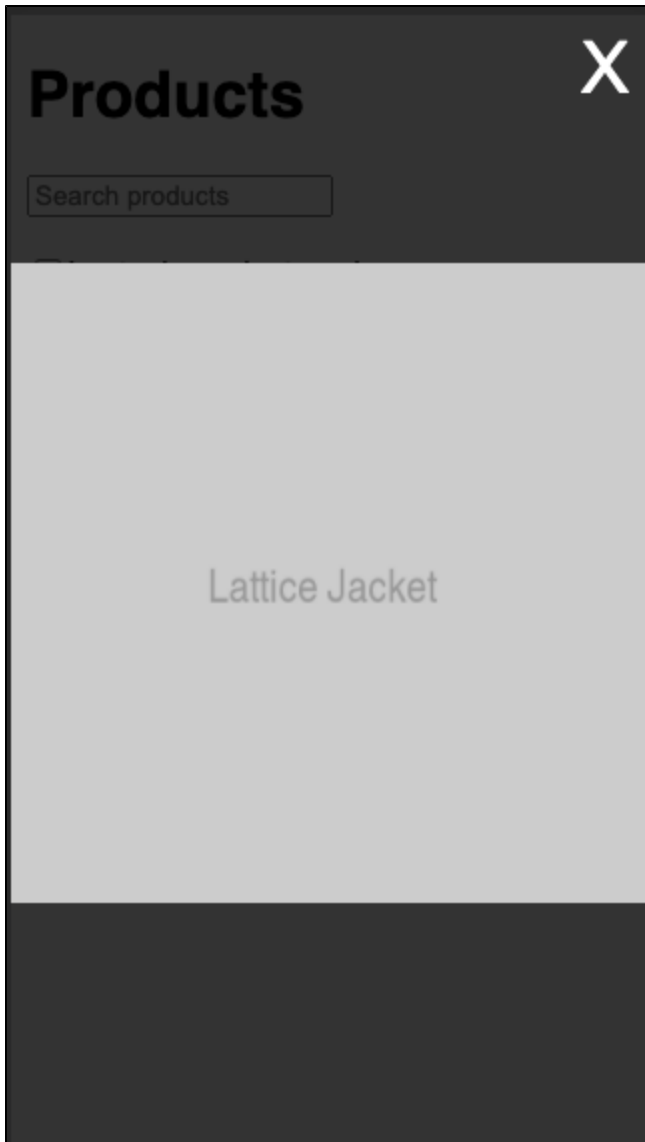Hockey Puck $19.99
Baseball $9.99
Basketball $29.99
Electronics
iPod Touch $199.9
iPhone 6 $399.9
Galaxy S20 $799.9
Mac Pro $5999.
Clothing
Lattice Jacket $99.99

Hockey Puck

Products

Search products

Lattice Jacket

The backend team has given you this mock API client:

MockProductApiClient.js

```javascript
export default function fetchProducts() {
  return new Promise(resolve => {
    return resolve([
      {
        id: 1,
        category: "Sporting Goods",
        price: "$19.99",
        inStock: true,
        name: "Hockey Puck",
        imageUrl: "via.placeholder.com/400x400.png?text=Hockey+Puck"
      },
      {
        id: 2,
        category: "Sporting Goods",
        price: "$9.99",
```

```
      inStock: true,
      name: "Baseball",
      imageUrl: "via.placeholder.com/400x400.png?text=Baseball"
    },
    {
      id: 3,
      category: "Sporting Goods",
      price: "$29.99",
      inStock: false,
      name: "Basketball",
      imageUrl: "via.placeholder.com/400x400.png?text=Basketball"
    },
    {
      id: 4,
      category: "Electronics",
      price: "$199.99",
      inStock: true,
      name: "iPod Touch",
      imageUrl: "via.placeholder.com/400x400.png?text=iPod+Touch"
    },
    {
      id: 5,
      category: "Electronics",
      price: "$399.99",
      inStock: false,
      name: "iPhone 6",
      imageUrl: "via.placeholder.com/400x400.png?text=iPhone+5"
    },
    {
      id: 6,
      category: "Electronics",
      price: "$799.99",
      inStock: true,
      name: "Galaxy S20",
      imageUrl: "via.placeholder.com/400x400.png?text=Nexus+7"
    },
    {
      id: 7,
      category: "Electronics",
      price: "$5999.99",
      inStock: true,
      name: "Mac Pro",
      imageUrl: "via.placeholder.com/400x400.png?text=Mac+Pro"
    },
    {
      id: 8,
      category: "Clothing",
      price: "$99.99",
      inStock: true,
      name: "Lattice Jacket",
      imageUrl: "via.placeholder.com/400x400.png?text=Lattice+Jacket"
    }
]);
```

```
    });
  }
```

- Notes:
    - If there are no products to display for a category, do not show the category header.
    - The search filter should be case-insensitive.
    - Products that are not in stock should have their name displayed in red.
    - If no products can be displayed, show the text "No products found."
    - The image in the "view detail modal" must be vertically and horizontally centered, and must not require scrolling to view on mobile.