

Lesson - ecommerce task

E-Commerce Task

The Challenge:

Required Views:

- Product List View
- Product Detail View
- Cart View

Required features:

- Display all products in the Product List view (Display at least: Product name, a short description, price, one image)
- Display all product details on the Product Detail View
- If the product has any reviews, display them on the Product Detail View
- Add to cart button
- Checkout View should contain: List of all products in cart, total order value, ability to place order together with name
- Send order to API

Extra features:

- Persistans cart (The items in the cart should not change on refresh)

The API

We have created a very simple API with Firebase. All endpoints must end with

`".json"`

- baseUrl = create your own Firebase project and upload the json file provided
- productList = `/products.json`
- productDetail = `/products/{productId}.json`
- productReviews = `/reviews/{productId}.json`
- couponCodes = `/couponCodes/{couponCodes}.json`
- orders = `/orders/{GroupNumber/GroupName}.json`
 - GroupNumber or GroupName is the number/name assigned to your group

Product

This is an example of how a product object looks like in the API.

Endpoint Route: `/products/{productId}.json`

JSON Example:

```
{
  "id": 1234,
  "name": "Example Product",
  "description": "Lorem ipsum mit dolor",
  "images": [
    {
      "alt": "product photo 1",
      "src": {
        "large": "<https://placekitten.com/200/300>",
        "medium": "<https://placekitten.com/400/600>",
        "small": "<https://placekitten.com/1000/1500>"
      }
    }
  ]
}
```

```

    },
    {
      "alt": "product photo 2",
      "src": {
        "large": "<https://placekitten.com/201/300>",
        "medium": "<https://placekitten.com/402/600>",
        "small": "<https://placekitten.com/1005/1500>"
      }
    }
  ],
  "price": 125,
  "rating": 4,
  "stock": 23
}

```

Product Review

Some products have been reviewed by previous customers, these should be displayed on the product detail view. Remember that not all products have reviews... so this should also be handled.

Endpoint Route: /reviews/{productId}.json

JSON Example:

```

{
  "author": {
    "name": "John Doe"
  },
  "product": 1235,
  "title": "Not great, not terrible!",
  "description": "I might recomend someone purchasing this product!",
  "date": "2012-06-15",
  "rating": 3
}

```

Coupon Code

If you have managed to complete all other steps you might want to implement this small feature where the user should be able to enter a "coupon code" and if it exists AND is valid the order total should be discounted with the given amount.

```
Endpoint Route: /couponCodes/{couponCode}.json
```

JSON Example:

```
{
  "valid": true,
  "discount": 0.85
}
```

Order

Once the user has added the products to their cart, you now have the possibility to actually place the order using the Order endpoint. Please post the URL designated to your group/team