

Shopify: Group 5

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Our approach

- Infinite+1 Options through Collections
 - Every option is a Product
 - Products and options are grouped together in Collections
 - Embedded storefront app displays entire Collection disguised as options
 - Customers can add and remove options from Cart
 - Display price changes with every update
- Reasoning
 - Same basic approach as Infinite Options except:
 - We add to cart as option is selected, allowing price to update
 - We use Shopify's Collection and Product generator instead of custom Merchant App
 - No external database required

Demo

<https://esof-423-develop.myshopify.com/>

Password: admin

App Deployment

- Liquid Theme App Extension
 - Hosted by Shopify
 - Liquid is a Shopify's static template language (html + javascript with some added functionality)
 - Template generates html code that gets inserted into storefront
 - Able to access Shopify Objects (products, collections, etc...)
- Merchant App
 - Hosted on Heroku
 - Doesn't have any functionality
 - Required to develop and install Theme App Extension
- Native Shopify Features
 - Took advantage of existing Shopify features when possible
 - Products, Options, Collections all use default Shopify set up

Storefront Testing

Selenium used for storefront application testing for the following functionality

- Add items to cart
- Remove items from cart
- Add, then remove products to / from cart
- Update cart price dynamically
 - Price tests cover adding products and different combinations of product-options to cart

Where to go from here...

- Improve options for merchants
 - Improve toggle buttons
 - Add options for drop-downs
 - Customizable styling
- Remove items from cart more gracefully

Future Development with Shopify

- Massive learning curve to overcome
- Difficulties collaborating on a code base
- Dependencies
- Shopify CLI documentation is often...
 - Poor
 - Outdated
 - Non-existent

Future devs beware!

Any Questions?