ADG Front End Developer Project

Our goal of this project is to that you have a good grasp of the tech knowledge needed to handle day-to-day projects here at ADG.

We're constantly testing new interfaces with our customers to generate the most installs, leads, sales, etc and we need a strong developer/designer team that can make these interfaces reality.

If you have any questions about this project, feel free to ask about any of it. Email: nick@accelerateddigitalgroup.com.

The project

This is a mock up landing page for a non-existent product. It was designed in Photoshop and has many layers for the various elements of the page. Please see the accompanying PSD file.

Our goal of this test is to make this page work on the web. It must be responsive and function properly with iOS devices (phone and tablet). 100% of our users are on iPhones.

We realize the outcome won't be pixel perfect, especially since it will need to be responsive and elements will wrap. But we'd like your project to match this PSD as close as possible. Use CSS where you can to make the buttons and backgrounds responsive. There are some rendered background patterns and you may use CSS image cover backgrounds or whatever you prefer for these. Try to use CSS where possible even for shadows. They don't have to match exactly

You are allowed to have creative freedom, so if you see an opportunity to make something on the page better, by all means please do so.
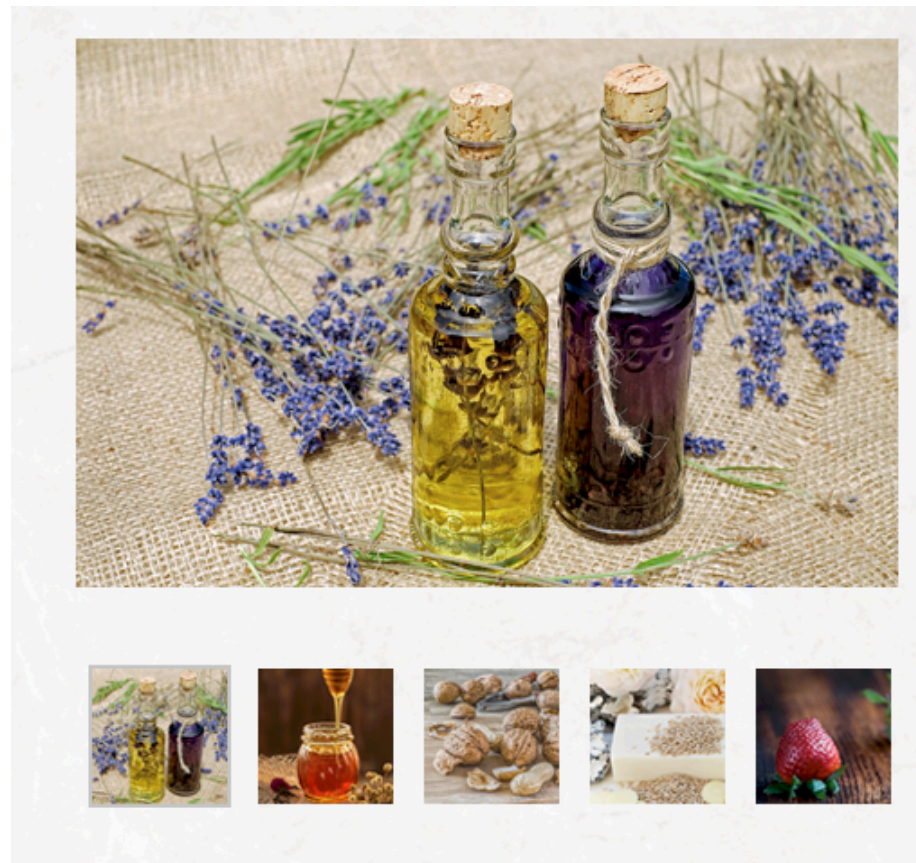
Recommended Tools/Languages

- Bootstrap or a similar framework for responsive layout. Or if you live on the edge you may hand code your own via media queries.
- jQuery or vanilla JS for the buttons and switches and submission.
- CSS/HTML
- You may bring your own tools or preferred tech to the table as long as it works properly with the devices above. This includes third party open source libraries on git hub etc.
- Any questions please don't hesitate to ask.
- Try to keep it simple and not overly bloated with 10k js scripts.

Required Elements

1. Carousel/Thumbnails - In the mid section of the page, we'd like to make this an image thumbnail area. When the thumbs at the bottom are clicked, we'd like to see a larger version of the image load in the top part of this control. It's ok if the images are not high resolution or if you want to use your own images, that's also ok.

We'd like to see if you can make a JS control that can respond to thumbnail clicks/taps and perform an action (in this case showing a larger image at the top of the control). Carousel/slider is fine too.

2. Product selection / dynamic cart - Further down on the page are 3 different products. We'd like these to be selectable via touch/click. We want the appropriate product to be highlighted with the border and background color to reflect which item is highlighted. There's no need to make them larger or smaller when selected since that might require some additional and unnecessary design hackery.

We'd also like for the "cart" at the bottom of the page to reflect the selected object's price. So when an item is clicked, the "cart" is reset and the selected item is added to the cart along with its price. You can just treat these 3 boxes as 3 separate products with 3 different price points. Don't worry about dealing with quantity. You can make up your own prices and don't have to use these prices specifically. Don't worry about CAD/USD etc.

For the cart you can just use a cookie, or local storage, or even some javascript variables. The point is to show you can store / retrieve / update a data object in memory or in a session cookie. It doesn't have to be an actual shopping cart and there is no checkout / https / etc necessary.

Don't worry about tax. For shipping you may use a static number. We'd like to see you can update the cart and total in real time when different products are chosen and calculate the total (product + shipping).

3. Form validation - For the shipping form, we'd just like to see some basic validation. Show you can ensure that required fields are checked and the user is notified if they don't have a field filled in. Don't worry about actually checking phone numbers or email addresses for validity. Just empty or not with a simple form warning or red

highlight is good enough. You can use libraries/bootstrap for this.

Shipping Information

Email
jcm@gmail.com ✓

First Name
Jaye ✓

Last Name
CM ✓

Address
11 Parkway Forest ✓

Apt/Suite
Suite 101 ✓

City
Toronto ✓

Country
Canada ⌄

Province
Ontario ✓

Zip Code
M1M 2J3 ✓

Phone Number
647-555-5555 ✓

4. Form Submission - There are several buttons on the UI but you can ignore them if you want. Just make the bottom do the submit is fine. You can change the wording (lorem ipsum) to buy now or whatever.

Billing Address

✓ Same as shipping address

◯ Use a different billing address

LOREM IPSUM

We'd like to see the form and cart selections be submitted in JSON format. You can send it to no where, to the screen, or even a console.log is fine.

As for the format...

- All of the fields of the shipping fields. Make up your own field names is fine.
- The cart contents, price and total price.

We normally wouldn't do this as its a security risk, but for this test it would be ample enough to show you have a good grasp of submitting form data in JSON format to be used with backend apis, etc.

Sample fields could be something like: shippingFirstName, shippingLastName, shippingAddress etc.
And for the cart:
cart [
products: [
        [product1: 15.99],
        [product2: 20.99]
],
shipping: 10.25
]

Something like this is fine. Doesn't have to be exact science.

No need to have a persistent cart. If refreshing 'clears' the cart, no problem.

Absolutely not necessary but if you're having fun.....

5. Extra Credit #1 - "Upsells" - Bonus points if you can make this button also work and add an additional item to the cart. Price doesn't matter, picture doesn't matter. Just prove when the button is pressed, an additional item is added to the cart, and the cart total updates. We do this a LOT here in house. Its ok if multi-presses adds multiple items (or doesn't).

6. Extra Credit #2 - Dynamic Div

If you can make the billing address field above show more fields when 'use a different billing address' is clicked, awesome!

7. Extra Credit #3 - Popup/popover

If you can make the popup div (see the layers, its turned off) show with either a button press or leave intent on the page, that would be pretty cool too.