

Front End Test

Scenario

Create a broadband deals grid which is responsive and filterable. We have supplied a JSON file with the deals that need to be displayed, a logo and burger menu SVG to be used in the UI. You'll find mock ups in this document with expectations on viewport sizes and a guide to how to layout the content.

Minimum Expectations

We are expecting a submission that shows an understanding of SOLID and TDD principles. Please provide a public link to a git repository for us to download and analyse your code (GitHub or similar). Please commit to this repository as you complete the exercise. We are not looking for elapsed time, but we are looking for good source control habits.

The minimum supported browser would be Google Chrome.

Tips

- JavaScript should be tested
- No heavy reliance on third party CSS frameworks e.g. bootstrap

Assets

JSON file - <http://coding-test-assets.s3-website-eu-west-1.amazonaws.com/deals.json>

Logo - <http://coding-test-assets.s3-website-eu-west-1.amazonaws.com/logoBase64.txt>

Burger menu SVG - <http://coding-test-assets.s3-website-eu-west-1.amazonaws.com/burgermenu.svg>

Scenarios

Filtering





- **GIVEN** results **WHEN** filtering by Broadband **THEN** show the 3 broadband only deals
- **GIVEN** results **WHEN** filtering by Broadband **AND** Tv **THEN** show the 2 deals for broadband and Tv only
- **GIVEN** results **WHEN** filtering by Broadband **AND** Mobile **THEN** show the single deal for broadband and Mobile only
- **GIVEN** results **WHEN** filtering by Mobile, Broadband, TV selected **AND** Mobile Data 5GB **THEN** 0 results
- **GIVEN** results **WHEN** filtering by Broadband **AND** Speed 52MB **THEN** 1 result present

UI


- **GIVEN** viewport for smartphone **WHEN** click burger menu **THEN** show filter menu
- **GIVEN** viewport for smartphone **AND** filter visible **WHEN** click burger menu **THEN** hide filter menu

Desktop Mockup





Content Min-width: 800px;	Nav/Filter Filter Height: 100% background-color: #dedede	Logo (See assets folder)
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Layout							
 <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Broadband <input type="checkbox"/> TV <input type="checkbox"/> Mobile <p>Speed Any ▾</p>							
About	contract length	speed/usage	Offer	TV	Mobile	Cost	
Unlimited Broadband & Weekend Calls	18months	17 MB Unlimited		N/A	N/A	£358	
Broadband Premium + Anytime Calls	18months	52 MB Truly Unlimited		N/A	N/A	£492.77	
Broadband Premium + Weekend Calls	18months	17 MB Truly Unlimited		N/A	N/A	£366.77	





Broadband

About	contract length	speed/usage	Offer	TV	Mobile	Cost	
Unlimited Broadband & Weekend Calls	18months	17 MB Unlimited		N/A	N/A	£358	

Broadband and TV

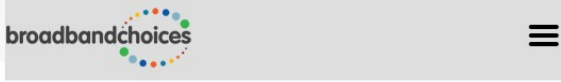
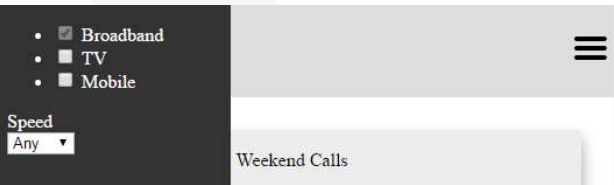
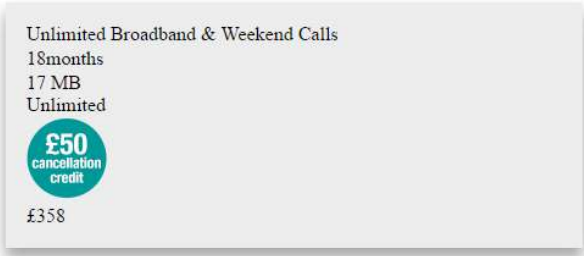

About	contract length	speed/usage	Offer	TV	Mobile	Cost	
Total Entertainment + Unlimited Infinity 2 + Weekend Calls	12months	76 MB Truly Unlimited		  	N/A	£825.87	

Broadband, Tv and Mobile

About	contract length	speed/usage	Offer	TV	Mobile	Cost	
Entertainment Plus + Unlimited BT Infinity 1 + Weekend Calls + BT Mobile	12months	52 MB Truly Unlimited		  	Data: 2 GB Minutes: 500 Texts: Unlimited texts Connection: 4G	£599.87	

Smartphone Mockup

Filter Filter Height: 100% Background-color: #333	Burger menu (See assets folder)
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Layout	
Layout with filter overlay	
Broadband	
Broadband and TV	

Broadband, TV and Mobile

Entertainment Plus + Unlimited BT Infinity 1 +
Weekend Calls + BT Mobile
12months
52 MB
Truly Unlimited



BT Sport



Dave

Data: 2 GB
Minutes: 500
Texts: Unlimited texts
Connection: 4G
£599.87