# 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

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

## Assets

provided

## Scenarios

Filtering

* **GIVEN** results **WHEN** filtering by Broadband **THEN** show the **4** broadband only deals
* **GIVEN** results **WHEN** filtering by Broadband **AND** Tv **THEN** show the **4** deals for broadband and Tv only
* **GIVEN** results **WHEN** filtering by Broadband **AND** Mobile **THEN** show **1** deal for broadband and Mobile only
* **GIVEN** results **WHEN** filtering by Mobile, Broadband, TV **AND** Mobile Data 5GB **THEN** 0 results
* **GIVEN** results **WHEN** filtering by Mobile, Broadband, TV **AND** Mobile Data 4GB **THEN** 2 results
* **GIVEN** results **WHEN** filtering by Broadband **AND** Speed 76MB **THEN** 2 results present

UI

* **GIVEN** viewport for desktop **THEN** burger menu hidden
* **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

### Smartphone Mockup

|  |  |
| --- | --- |
| Filter  Filter Height: 100%  Background-color: #333 | Max-Width: 960px |

|  |  |
| --- | --- |
| Layout |  |
| Layout with filter overlay |  |
| Broadband |  |
| Broadband and TV |  |
| Broadband, TV and Mobile |  |