



### **Problem Statement:**

Assume that a product manager has given following requirement to develop a simple Single Page App and the developer came with an [implementation](#) (just download this file and open it in browser).

### **We would like you to do following exercises:**

1. Come up with a comprehensive set of test cases for the given requirement - state assumption that you are making, if any. Write them as formally as possible - use excel or any other tool you are comfortable with. test cases should cover usability, functionality, edge cases, security and any other areas you can think of.
2. Pickup top 5 important cases - at least 2-3 on infinite scrolling and automate it using selenium/protractor script. Give instructions on how to run it on the page given in above link.

### **Requirement from Product Manager :**

#### **Description**

Replicate Facebook home page layout i.e. a header, 2 sidebars, an infinite content column.

Header: Header (fixed at top) can have a logo/text and a navigation menu icon both on different ends of the layout.

Sidebars: Should contain well formatted sample links.

Content: Should have infinite scrollable content (up to 50 posts with numbers).

#### **Behavior:**

On mobile devices, only content column should be visible. Sidebar content should be transformed into a menu. This menu will be added in the header. Content column will occupy full width.

In non-mobile devices, sidebars should have 30% width each and content column should be 40% wide.

Follow the same dimensions for width and height which are used on Facebook.  
Use bootstrap and AngularJS to solve this. Follow HTML5 conventions.

**Evaluation criteria :** Completeness of test cases, Ability to handle ambiguity in requirement. Corner cases coverage, Usage of tools(selenium/protractor) and fool proof css selector for automation

Note : Please send us the actual time you took to complete the exercise.