

essence.

Essence Global - Digital Tech

Developer test

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1. Languages that you should make use of:

- ✓ PHP
- ✓ CSS/SASS
- ✓ JavaScript
- ✓ HTML

All the languages were used in the development of the solution.

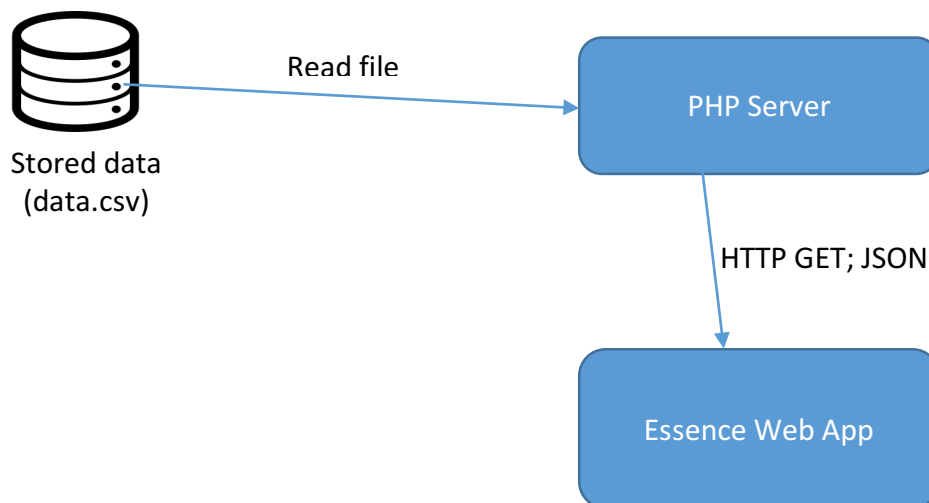
2. Coding/Problem Statement

Assuming the attached data.csv file was imported into a MySQL database, either using bespoke code or a PHP framework of your choice to parse the data and present an aggregated and sortable list of phones by make and model. Clicking a phone should display details of the phone along with any tariffs available.

Your code should display good coding practices, adherence to standards and implementation of design patterns. You may wish to include unit tests and code documentation.

3. Solution Development

3.1. Architecture

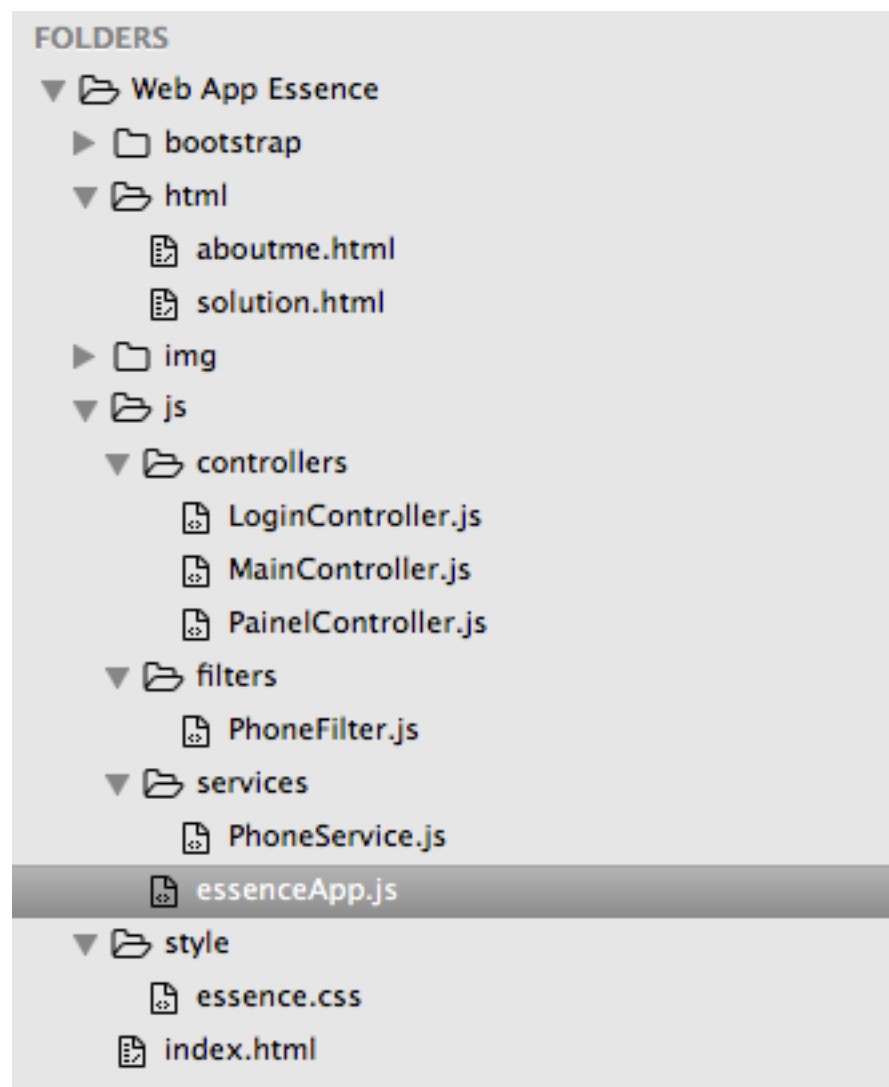


The System consists of 3 components: Stored data, PHP Server and Web App.

Stored data is the file “data.csv” for this example, could also be any external database.

PHP Server upon receiving a GET Request from the Web App reads the database and responds with the information about to the Web App, this information is already sorted as required.

Web App was build using HTML + CSS + JS + AngularJS and is responsible for providing a good experience to the user.



Solution Overview

←

① file:///Users/jmg/Desktop/untitled folder 3/Web App Essence/index.html#/solution

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Essence Web App

Solution

About Me

Search by make, model or name

Search

iPhone 3GS - 32GB White

iPhone 4 8GB White

iPhone 4S 16G White

iPhone 4S 16G White

iPhone 4S 16G White

Code: AP-IP4S16GB-WHI-0N

Make: Apple

Model: iPhone 4S 16GB

Tariff Code: FC24-4000-3000-M1

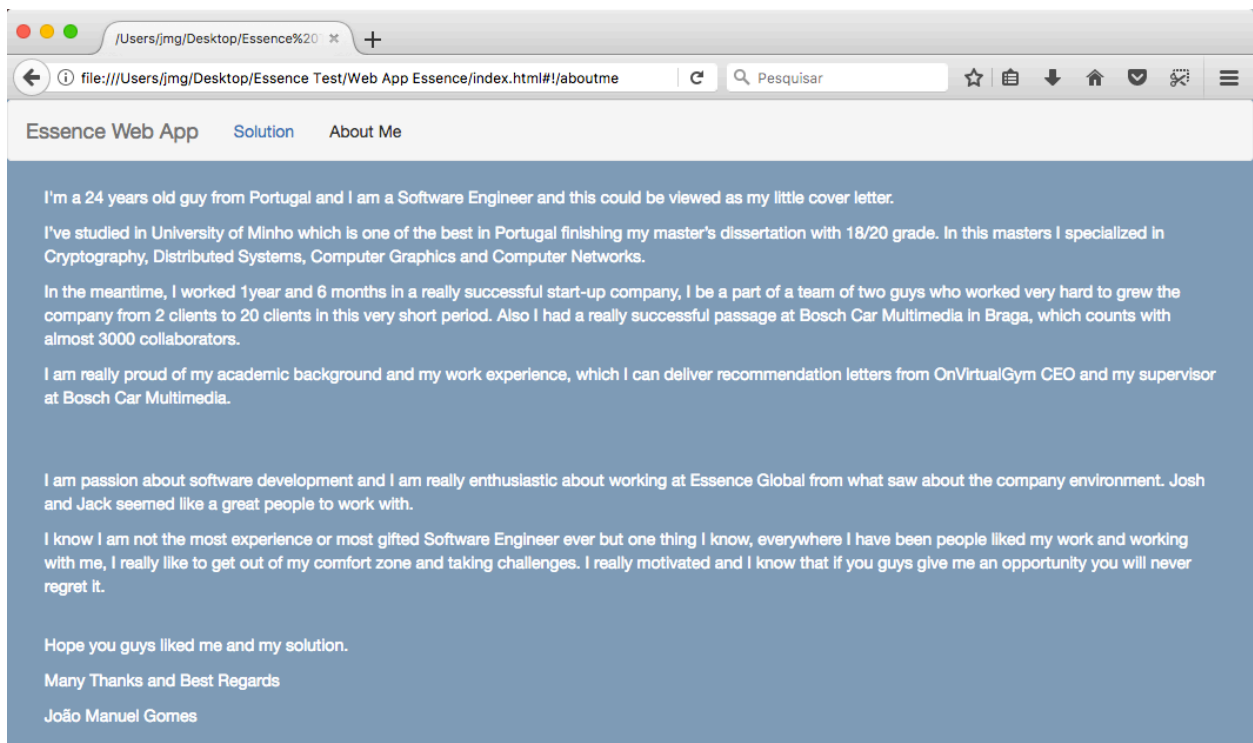
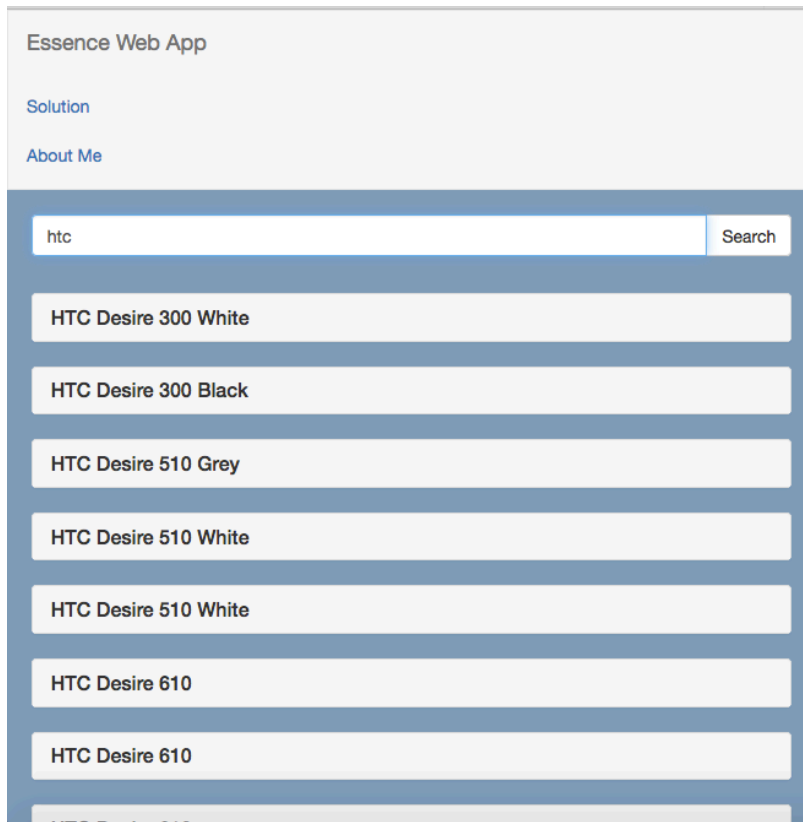
Tariff Data: 1024

Tariff Minutes: 3000

Tariff Name: £40 Smartphone tariff 24 month contract

Tariff SMS: 5000

iPhone 4S 16G White



PROS AND CONS

PROS

I really enjoyed doing this challenge. The document was simple and it is an interesting small project.

Search feature implemented with success.

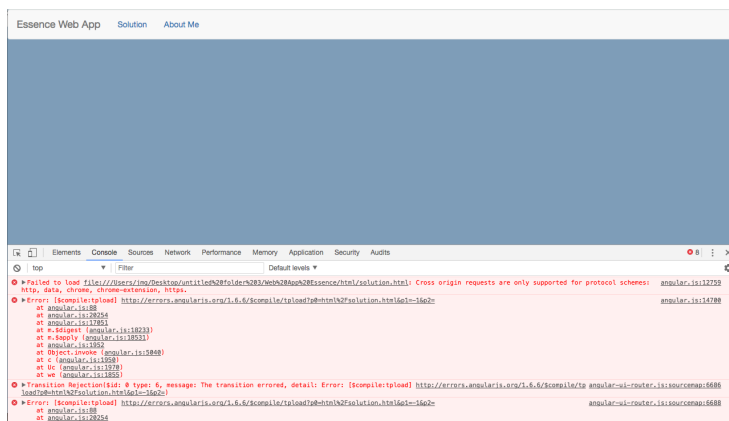
All requirements satisfied with relatively easily.

CONS

MYSQL not used which facilitated the consult and the sortable process. Unit test also not included in the final solution.

Not working on Google Chrome because of routing implementation in AngularJS not working in localhost environment (see images below) but it should work if moved to a server.

```
6 //routing information (not working in localhost for google chrome)
7 app.config(function($stateProvider, $urlRouterProvider)
8 {
9     $stateProvider
10     .state('solution', {
11         name: 'solution',
12         url: '/solution',
13         templateUrl: 'html/solution.html'
14     })
15     .state('aboutme', {
16         name: 'aboutme',
17         url: '/aboutme',
18         templateUrl: 'html/aboutme.html'
19     })
20     $urlRouterProvider.otherwise('solution');
21 });
```



HOW TO START.

1. Past PHP server(index.php) and database file(data.csv) in the directory of some apache server;
2. Open index.html from WebApp and enjoy. 😊

2.1. Don't forget to change the server URL if that is the case

```
app.factory('PhoneService',function($http){
    return{
        getPhonesInformation : function(){
            return $http.get('http://localhost:8080');
        }
    }
});
```