<html>

<head>

<title>Google Book Zayo</title>

<style>

.answer {

min-height: 50px

}

section{

padding: 10px;

margin-bottom: 12px

}

#title {

position: absolute;

padding: 20px;

font-size: 64px;

font-weight: bolder;

color: white;

top: 50px;

left: 0px;

text-shadow: -2px 0 black, 0 2px black, 5px 0 black, 0 -2px black

}

#title .authors {

padding: 20px;

font-size: 32px;

font-weight: bolder;

color: #DDD;

text-shadow: -1px 0 black, 0 1px black, 1px 0 black, 0 -1px black

}

#tweets {

min-height: 300px;

}

</style>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.97.1/css/materialize.min.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/8.9.1/styles/tomorrow.min.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/chartist/0.9.4/chartist.min.css">

</head>

<body>

<div class="parallax-container" style="height:500px">

<div class="parallax">

<img src="http://ibandwidth.net/wp-content/uploads/2013/04/ZAYO\_Group\_SPOT.jpg">

<h1 id="title">Zayo

<div class="authors">by Andrew Linenfelser, Zach Lamb, Ming Liew </div>

</h1>

</div>

</div>

<div class="section white container flow-text">

<div class="switch">

Source Code

<label>

<input type="checkbox">

<span class="lever"></span>

</label>

</div>

<div id="questions" class="col s10 collection">

</div>

</div>

<script src="https://cdn.firebase.com/js/client/2.3.1/firebase.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/lodash.js/3.10.1/lodash.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/2.1.4/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.97.1/js/materialize.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/moment.js/2.10.6/moment.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/marked/0.3.5/marked.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/8.9.1/highlight.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/chartist/0.9.4/chartist.min.js"></script>

<script>

function toggleSourecode(){

$('pre').each(function(){

if ($(this).height()){

$(this).attr('data-height', $(this).height())

$(this).height(0)

} else {

$(this).height($(this).attr('data-height'))

}

})

}

$('.switch input').click(toggleSourecode)

function csv2jsonProfile(rawdata){

console.log('converting csv to json array')

var lines = rawdata.trim().split('\n')

var rows = \_.rest(lines)

return \_.map(rows, function(row){

var toks = row.split(',')

return {ID: toks[0], Industry: toks[1], Vertical: toks[2], Total: toks[3]+toks[4],

Product\_A\_Rank: toks[5], Product\_A\_Total\_BRR: toks[6], Product\_B\_Rank: toks[7],

Product\_B\_Total\_BRR: toks[8], Product\_C\_Rank: toks[9], Product\_C\_Total\_BRR: toks[10],

Product\_D\_Rank: toks[11], Product\_D\_Rank\_BRR: toks[12], Product\_E\_Rank: toks[13],

Product\_F\_Metro\_Rank: toks[14] }

})

}

function csv2jsonAccount(rawdata){

console.log('converting csv to json array')

var lines = rawdata.trim().split('\n')

var rows = \_.rest(lines)

return \_.map(rows, function(row){

var toks = row.split(',')

return {ID: toks[0], Service\_Count: toks[1], Service\_ID: toks[2], Product: toks[3],

Total\_MRR: toks[4], Term: toks[5], Bandwidth: toks[6],

State\_A: toks[7], State\_Z: toks[8]}

})

}

var items

//REPLACE WITH ZAYO CSV FILE

$.ajax({url: 'http://localhost:8081/data/CUProject-CustomerAccount.csv'})

.done(function(rawdata){

account\_item = csv2jsonAccount(rawdata)

console.log('number of account loaded:', account\_item.length)

console.log('Account:', account\_item[0])

$.ajax({url: 'http://localhost:8081/data/CUProject-CustomerProfile.csv'})

.done(function(rawdata){

profile\_item = csv2jsonProfile(rawdata)

console.log('number of profile loaded:', profile\_item.length)

console.log('Profile:', profile\_item[0])

analyze()

})

})

.fail(function(err){

console.error(err)

})

function ask(text, func){

var answer = func(items)

// html element to display the answer

var answerHtml = '<div class="collection-item answer">' +

'<h4>' + text + '</h4>' +

'<div>' + answer + '</div>' +

'<pre><code>' + func.toString() + '</code></pre>' +

'</div>'

// append to #quetions

$('#questions').append(answerHtml)

}

function analyze(){

ask("What's the relation between BRR and the Bandwidth and terms", func1)

ask('question2', func2)

ask('question3', func3)

$('pre code').each(function(i, block) {

hljs.highlightBlock(block);

})

toggleSourecode()

}

function func1(){

var products=\_.groupBy(profile\_item, function(g){

return g.Industry

})

var key = \_.map(products, function(x,k){

return k

})

var s = \_.map(products, function(x,k){

var sum = 0

\_.forEach(x, function(s){

var a =parseInt(s['Total'].split("$")[1].split('.')[0].split(',').join(''));

sum = sum+ a;

})

return sum

})

console.log(s)

console.log(key)

var result = ''

var ctr = 0

\_.forEach(key,function(x){

result += x + " : " + s[ctr] + ' ; '

ctr++

})

return result

}

function func2(){

var productC = \_.groupBy(account\_item,function(d){

return d['Product C Rank']

})

sorted = \_.sortByOrder(productC,"desc")

result = \_.toArray(arguments).slice(1)

if(result.length == 0){

return 'none'

}

else{

return result

}

}

function func3(){

return '...'

}

// initialize the parallax effect

$(document).ready(function(){

$('.parallax').parallax()

})

</script>

</body>

</html>