Code Challenge – Front End - Angular

Version 2.1.1
March 16, 2016

Overview:

The objective of this challenge to assess a candidate's proficiency in Front End technologies
(Angular specially) and development process.

a. Please complete the challenge as best of your experience and skills.

b. Follow the instructions. Solution should meet all challenge requirements.

c. Feel free to elaborate in your own way and get creative.

d. Code with keeping readability, performance, testability, and best practices in the mind.

e. Bonus points for thoughtful consideration of the edge cases and self- identifying your
usage of design patterns and progressive Web standards.

f. Follow **SOLID** https://en.wikipedia.org/wiki/SOLID_(object-oriented_design) principle of
object oriented programming and design.

g. Follow any popular Angular Style Guide for this exercise.

User Profile App

Requirements:

a. Develop a **responsive single page web app** using AngularJS (1.x at least) framework to
list users and their detailed profiles. You are free to use any CSS framework that goes
well with AngularJS. **DO NOT USE jQuery.**

b. You can use the mock REST API available at http://mocker.egen.io for data. These API
endpoints allow FindAll, FindById, Create, Update, and Delete operations on **user** entity.

c. Use **ui.router** for state based navigation among views.

d. Use AngularJS components like Modules, Controllers, Services, Directives, Filters etc.

e. Provide proper form input validations and error messages using **ng-messages.**

f. The app should have following views (wireframes are attached in the end):

     i. List Users

     ii. View User Profile

     iii. Create New User

     iv. Delete User

g. Use **$q** based promise pattern for any AJAX requests.

h. Write unit test cases for all the Angular components that you develop. You may use a unit testing framework like Jasmine, Mocha, Chai, Sinon etc.

i. Develop a gulp/grunt build pipeline combined with bower/npm/webpack/browserify as the package manager for all the external libraries you need.

j. Configure your build pipeline to use Karma or any other test runner framework.

Submission:

a. Create a new repo **egen-fe-challenge** on your github.com account and commit all your code to it. Make sure all IDE and OS related files are in **.gitignore.**

b. Once completed, send the link of the repo to the recruiter.

Wireframes:

1. Orange Color: #ff6600

2. Input error message color: rgb(222, 67, 67)

3. Egen Logo: https://egen.solutions/images/egen-logo.png

4. Font: https://fonts.googleapis.com/css?family=Lato:400,700

5. Menu Drawer Background: rgba(85, 93, 104, 0.95)

6. If you cannot figure out any other stuff, make some wise assumptions and go ahead.

1. **User List View**

Egen

Users

+ Add User

	NAME	EMAIL	CITY	COMPANY
	Arno Hickle	Idell27@hotmail.com	Legros burgh	Schulist, Rowe and Purdy
	Stewart Lehner	Consuelo.Langworth@yahoo.com	Lake Kris	Nitzsche and Sons
	Karli Monahan	River.Heidenreich15@yahoo.com	New Lorenza	Kohler - Rutherford
	Charlie Cronin	Jena_Reinger61@hotmail.com	North Chadrick land	Sipes, Hodkiewicz and Gaylord
	Miracle Beahan	Marie_Stark40@yahoo.com	Langosh furt	Lakin Group
	Tevin Fay	Tevin_Schultz0@gmail.com	Murazik haven	Corwin, Lehner and Littel
	Dale Schowalter	Cale0@gmail.com	Jayde town	Green Inc
	Marie McGlynn	Myra15@yahoo.com	West Ubaldo	Gulgowski, Dicki and Abernathy
	Clint Zemlak	Molly.Schoen27@gmail.com	Lake Cristobal	Prosacco Group
	Marcelino Gleason	Kaylin_Gislason49@gmail.com	East Ellis ville	Renner and Sons

2. View User Profile

Egen

User Details   < Back

Name
John Adams

Email
john.adams@egen.io

Address
40 Shuman Blvd,
Naperville, IL, USA, 60563

Company
Egen Solutions https://egen.io

Delete User

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3. Create User

Egen

Add User   < Back

First Name   **Last Name**
First Name   Last Name

Email
example@domain.com
Email is required

Street Address   **City**
First Name   Last Name

Some other field   **More field**
Some other value   More values

Add

4. Menu Drawer