

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, FindByld, 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.

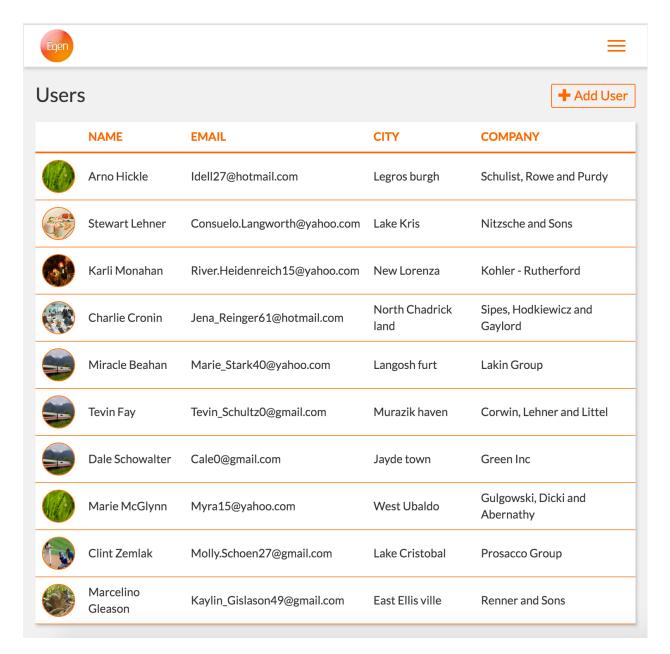
Submission:

- 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.

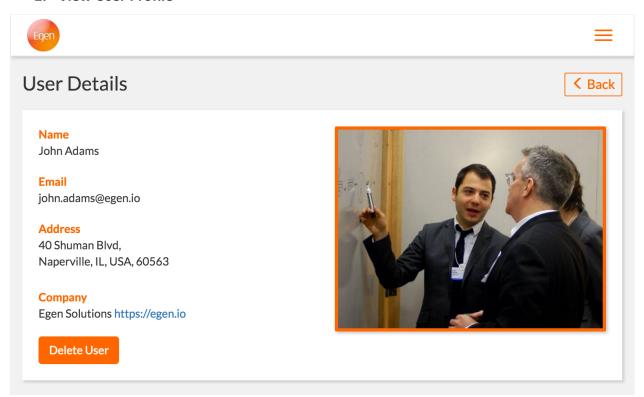
Wireframes:

- 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.

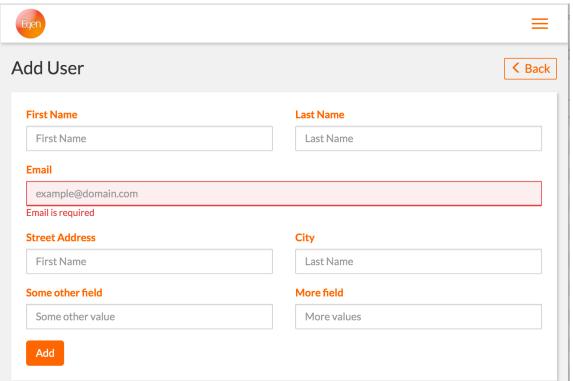
1. User List View



2. View User Profile



3. Create User



4. Menu Drawer

