Back-end task

Test task for Back-end engineers candidates

Task

We propose creating web-application for in accordance with the layouts (see [source materials](#)).

Requirements

JS

- Node.js
- MongoDB
- You can use bootsrtap for the UI part

We pay attention to:

- Architecture
- Proper CI/CD setup
- Test coverage

Recommendations

- The code should be structured, implemented within the framework of the MVC / MVVM / Functional programming paradigm. You can use both the implementation of classes and prototype-oriented programming. You can use jQuery to work with the DOM, you can use Lodash / Underscore or other similar libraries for working with data, arrays, objects (however, using standard methods from ES6 is encouraged)
- It is advisable to use modules (Common.js / AMD, etc.)
- It is advisable to use an event model of communication between modules
- It is advisable to have a task-manager configured to build and run code (webpack + npm)

- It is advisable to split some entities into separate services (error handling service, autocomplete service, etc.) with a specific interface

Prototypes and source

Flow:

-Make a database and create a schema for this design

-Default you will add as login details in database

-Request and Response should be in JSON format

When user successful login, screen should appear as per pdf design

User list CRUD operation

Create-Create a new user and save.

-If email already in table then give valid error message

-Phone number should be in numeric and restrict 10 numbers.

-If user added in database then display valid message to user

Read-Read the all the user list from the table

Update-User can update details for a particular user

Delete-User can update the details for a particular user

Result

The result of your work must be published (github pages, heroku, e t.c.)