# Questionnaire portal (Spring)

## Test Project for JAVA Developers

## Requirement teck stack

1. Java 8+
2. Maven or Gradle
3. Spring boot + Spring mvc
4. JPA, Spring data, Hibernate
5. DB: PostgreSQL
6. Angular JS (Angular) or ReactJS or Vie.js
7. Twitter Bootstrap
8. WebSockets
9. Source code to public git repo (github.com)
10. IDE: IDEA
11. Optional: Deploy app on remote server (Heroku, DigitalOcean)

## Main rules

This document is private property of Softarex Technologies Inc company. This task is not a part of real project and one will be never used as part of real project. The goal of this task is verification the employee skills.

Juniors JAVA developer should complete in full this project within 1 months. It is possible to submit project for review if it completed at least to 70%.

Project should be provided with necessary documentation for its installation, initial pre-filled data and short description of main classes and methods.

**With this project we also measure abilities of candidate learn new technologies and because this it is strongly required that project will be developed exactly with requested technologies.**

Any additional technologies\design patterns – not necessary but may be included and will be taken into account positively.
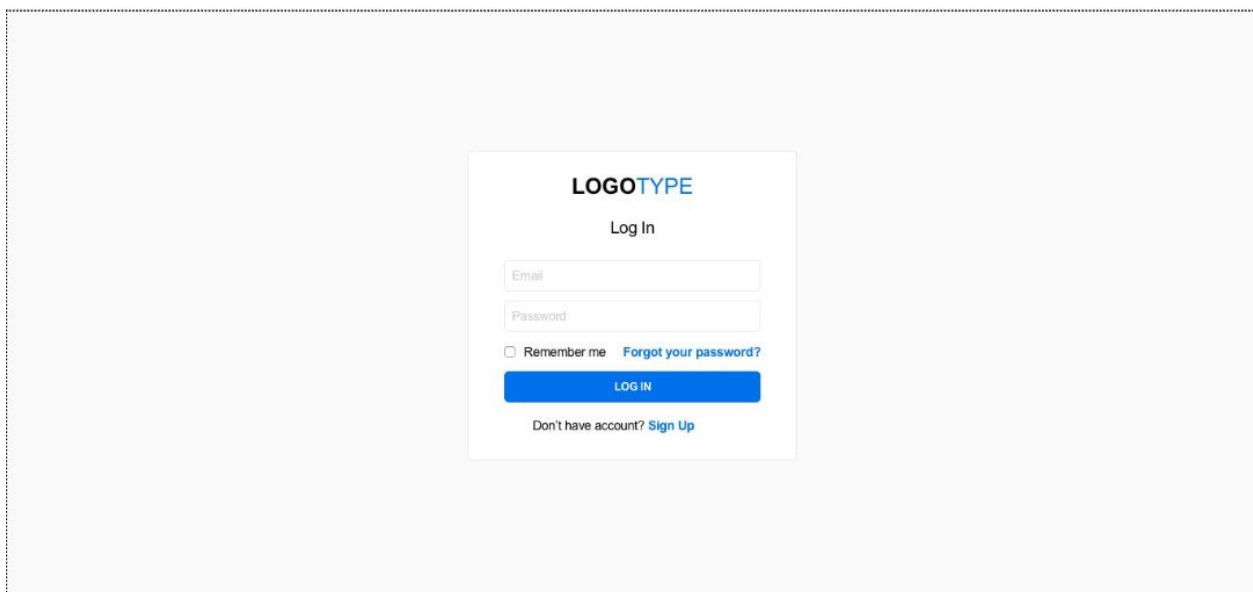
# Technical details and overview

Application designed to collect data from users. Form for data collection will have generic number of fields. Field is an entry from database. Field has next fields:
1) Label - string
2) Type - enumeration (single line text, multiline text, radio button, checkbox, combobox, date)
3) Required - boolean (response to this field will be required)
4) Is Active - boolean (user make field not active for any reason, it will remove field from the form)

Application will consist of 8 pages:


1) Login page



2) Sign Up page (Email notification after registration is required)

**LOGO**TYPE

Sign Up

Email *

Password *

Confirm Password *

First Name

Last Name

Phone Number

SIGN UP

Already have account? **Log In**


3) Edit profile page

**LOGO**TYPE          Fields     Responses     **John Doe ▾**

Edit Profile
Change Password
Log Out

Edit Profile

First Name

John

Last Name

Doe
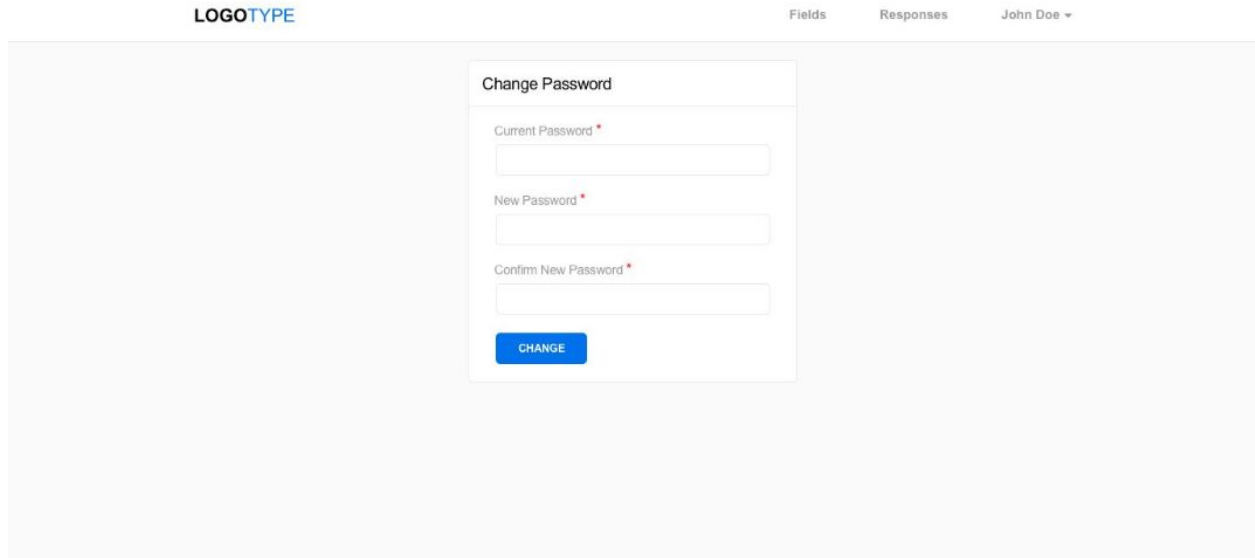
Email *

johndoe@gmail.com

Phone Number

+380771234567

SAVE

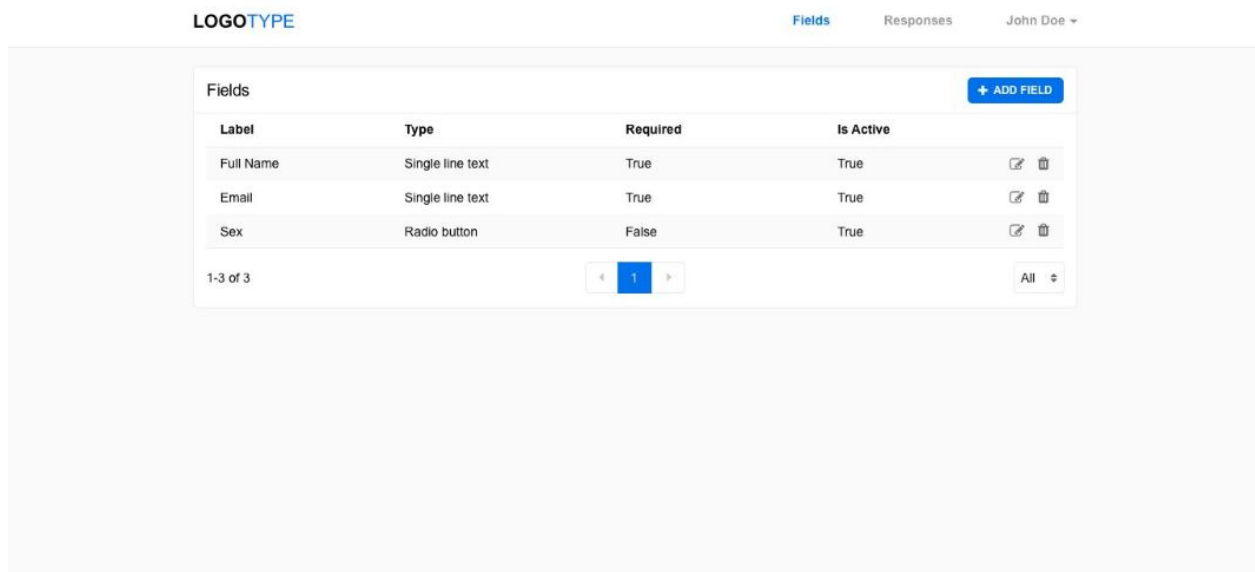4) Change password page (Email notification after changing is required)



5) Fields list page

Here will be listed all Fields stored in database. User will be able to create, edit, delete fields. Page should be available on path domainname.com/fields.
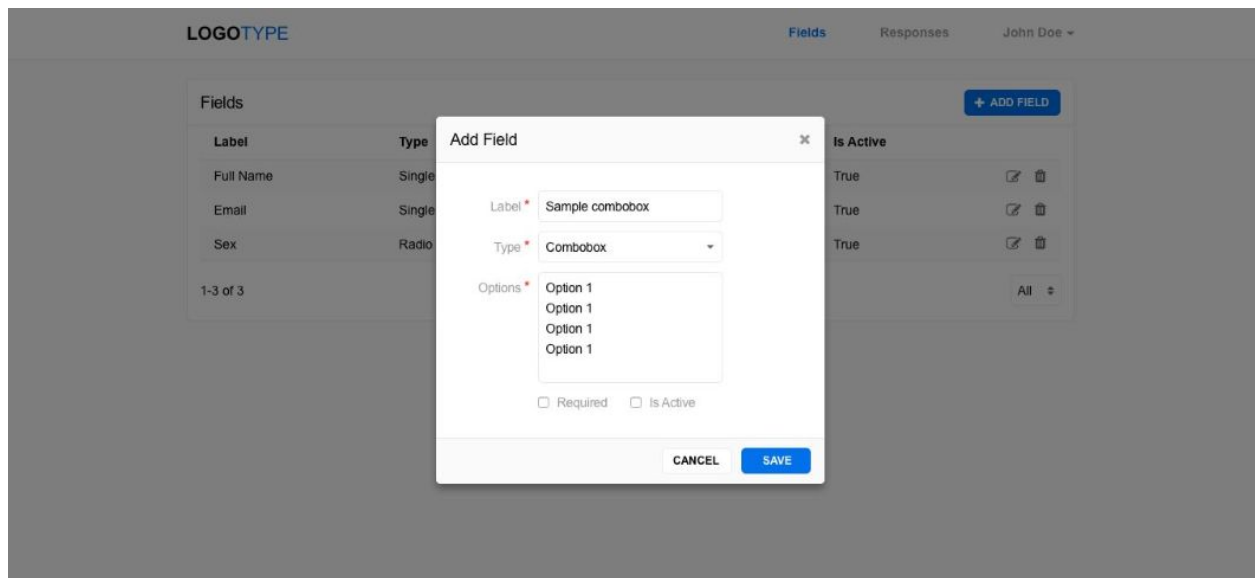
6) Add\edit field dialog

Here user will be able to create new fields with definite number of properties. All properties are required.



7) Questionnaire page

It will give possibility to fill all active field created on page #5. Not required fields can be left empty. Resetting form will clean out all entered data (reset button not present on mockup but should be implemented). After submission user will be redirected to congratulation page (#8). Page should be available on default path domainname.com/

8) Success submit of answer



9) Responses list page

Here will get all the responses completed by users. They will get in this list automatically after submitting. For this will be used web sockets: the number of responses in menu should be updated every time someone submits data. Columns on this for correspond for each field created on page #5. Number of columns is not changing dynamically while user is on the page

and it getting changed when user refreshes the page. If there is no data for the column there should be static label "N/A". Page should be available on path domainname.com/responses.



**LOGO**TYPE     Fields   **Responses**   John Doe ▾

### Responses

| Full Name | Email | Sex | Date of birth | Sample combobox |
|---|---|---|---|---|
| John Doe | johndoe@gmail.com | Male | 12 Jan 1984 | Option 1 |
| John Doe | johndoe@gmail.com | Female | 23 Aug 1992 | N/A |

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