Java Enterprise Edition 2 + React JS

Spring Semester 2021

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Continue developing full stack application by using ReactJS + Spring Boot Framework which you did in previous task 4.

Develop a simple full stack application by using ReactJS + Spring Boot Framework.

As a CSS Library, you may use Bootstrap or MaterializeCSS.

As a back-end application, you will use Spring Boot + Spring Data (JPA Repository) + MySQL or PostgreSQL.

Add Registration module, Authentication module, Profile module to your project.

Use Spring Security + JWT Token authentication method for Spring Boot Server part.

Use **Redux** or **React Context** libraries for user profile management in client part. You may store your JWT Token data in cookie or local storage of your browser.

Create JPA entities for your users and roles tables: Roles.java

Long id;

String role;

Users.java

Long id;

String email;

String password;

String fullName;

@ManyToMany

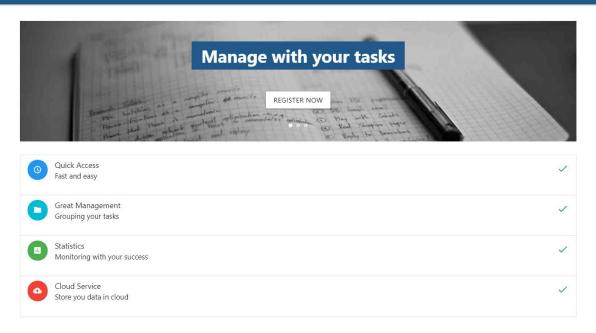
List<Roles> roles;

Create JPA repositories for each entity.

Use **UserDetailsService** interface from Spring Security library, to implement authentication service.

The front-end design should be something like this:

ITrello Register Login



ITrello

Contacts

FAQ

ITrello site. Manage with your task.

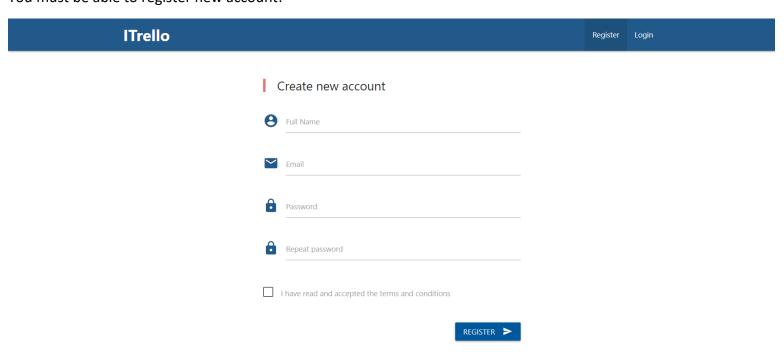
Tel: +345444545

Fax: +345334534

Almaty, Aimanova 126, Office 606

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You must be able to register new account:



ITrello

Contacts

FAQ

ITrello site. Manage with your task.

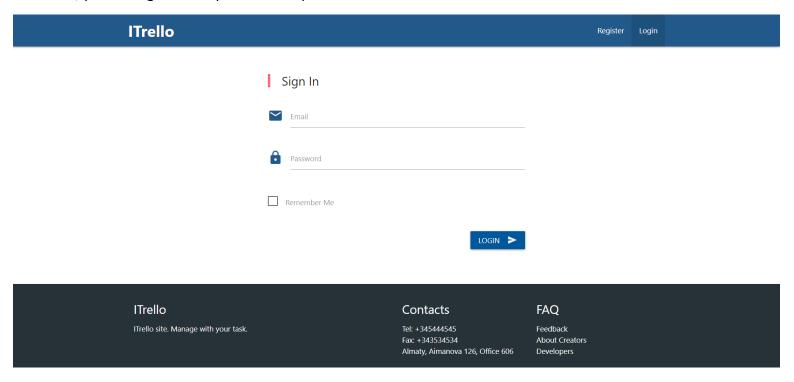
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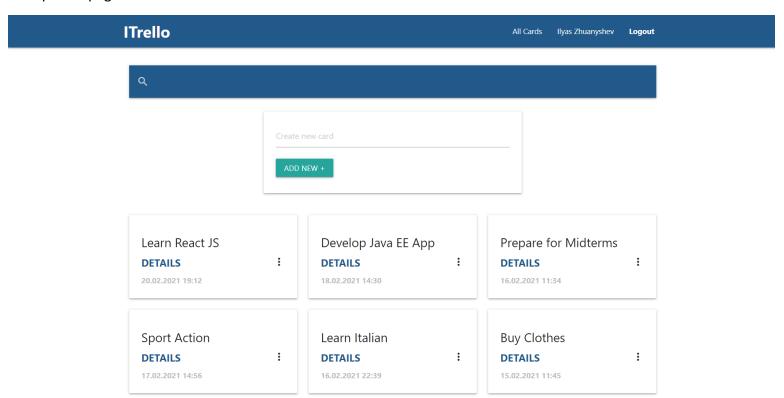
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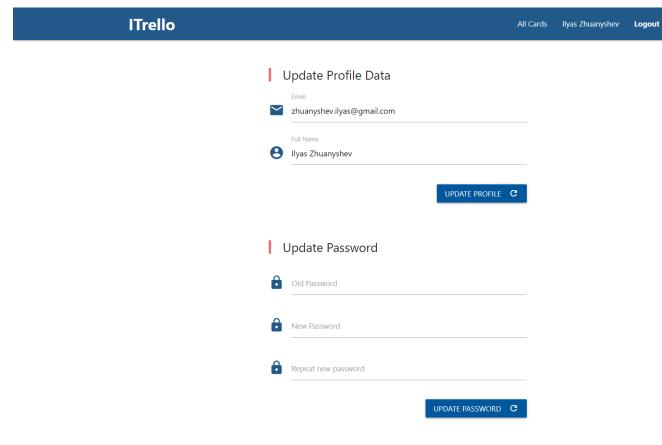
Of course, you will sign in with your created profile:



Your profile page will be like this:



And of course, you can update your profile data:



Notice that you can not update your email. In form, email is in "read-only" mode.