

Java Enterprise Edition 2 + React JS

Spring Semester 2021

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TASK 5

Problem 1

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

RegisterLogin

Manage with your tasks

REGISTER NOW

Quick Access

Fast and easy

Great Management

Grouping your tasks

Statistics

Monitoring with your success

Cloud Service

Store you data in cloud

ITrello

ITrello site. Manage with your task.

Contacts

Tel: +345444545

Fax: +343534534

Almaty, Aimanova 126, Office 606

FAQ

Feedback

About Creators

Developers

You must be able to register new account:

ITrello

RegisterLogin

Create new account

Full Name

Email

Password

Repeat password

☐

I have read and accepted the terms and conditions

REGISTER>

ITrello

ITrello site. Manage with your task.

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About Creators

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

ITrello

RegisterLogin

Sign In

Email

Password

☐ Remember Me

LOGIN

ITrello

ITrello site. Manage with your task.

Contacts

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Fax: +343534534
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FAQ

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Developers

Your profile page will be like this:

ITrello

All CardsIlyas ZhuanyshvLogout

Create new card

ADD NEW +

Learn React JS

DETAILS

20.02.2021 19:12

Develop Java EE App

DETAILS

18.02.2021 14:30

Prepare for Midterms

DETAILS

16.02.2021 11:34

Sport Action

DETAILS

17.02.2021 14:56

Learn Italian

DETAILS

16.02.2021 22:39

Buy Clothes

DETAILS

15.02.2021 11:45

And of course, you can update your profile data:

ITrello

All CardsIlyas ZhuanyshvLogout

Update Profile Data

Email

zhuanyshev.ilyas@gmail.com

Full Name

Ilyas Zhuanyshv

UPDATE PROFILE

Update Password

Old Password

New Password

Repeat new password

UPDATE PASSWORD

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