

Task: User Accounts Management System

Task Description

Create a REST API application for managing information about user accounts (ID, username, gender, age, account creation timestamp), allowing for creation, reading, updating and deletion functionalities. User accounts data should be stored in a database of your choice.

Functional Requirements:

- ☐ Endpoint for new account creation.
 - Should ensure that usernames are unique.
- ☐ Endpoint for reading single user account data.
 - Allows getting the user account with the specified ID.
- ☐ Endpoint for updating single user account data.
 - Allows editing gender and/or age of the user account with the specified ID.
- ☐ Endpoint for deletion of user account.
 - Allows deletion of the user account with the specified ID.

Technical Requirements

- ☐ Use Java language version 8 or newer.
- ☐ Utilize a framework of your choice for building web services.
- ☐ Implement user data storage, either using a relational database or NoSQL database.
- ☐ Develop unit tests for user account management functionalities.

Other information

- ☐ Anything that is not clearly specified in the task description can be decided on your own.
- ☐ Task estimation is approx. 2h.
- ☐ Solution should be delivered in the form of code repository (preferably git) hosted online or delivered in a compressed archive.
- ☐ Please use tools, frameworks, and solutions you are familiar with.
- ☐ Solution should be as simple as possible; don't spend too much time on making it perfect.

Next steps

We will review your solution, and depending on the result we may or may not invite you to the next round of the recruitment process, during which we will:

- ☐ have online video meeting with you to talk about your overall programming experience,
- ☐ ask you to share your screen, show and describe your solution (live demo),
- ☐ have a Q&A session, both about your solution and about your experience.

Good luck!