Задача

Design and implement a REST API using Hibernate/Spring/SpringMVC (or Spring-Boot) **without frontend**.

The task is:

Build a voting system for deciding where to have lunch.

* 2 types of users: admin and regular users
* Admin can input a restaurant and it's lunch menu of the day (2-5 items usually, just a dish name and price)
* Menu changes each day (admins do the updates)
* Users can vote on which restaurant they want to have lunch at
* Only one vote counted per user
* If user votes again the same day:
  + If it is before 11:00 we asume that he changed his mind.
  + If it is after 11:00 then it is too late, vote can't be changed

Each restaurant provides new menu each day.

As a result, provide a link to github repository. It should contain the code, README.md with API documentation and couple curl commands to test it.

Структура базы данных:

Таблицы:

|  |  |  |
| --- | --- | --- |
| user   * id * email * password * role |  |  |
| Restaurant   * id * name * address | menu   * data * restaurant\_id * meal\_id * price | meal   * id * name |
| poll   * data * user\_id * restaurant\_id * voice |  |  |

# REST API

|  |  |
| --- | --- |
| Получить пользователей   * GET/admin/users   Добавить(изменить) нового пользователя   * POST/admin /users   Удалить пользователя   * DELETE/admin/users/{id}   Создать(изменить) новый ресторан   * POST/admin/bars   Удалить ресторан  DELETE/admin/bars/{id} | Получить рестораны   * GET/admin /bars   Получить меню ресторана на текущую дату   * GET/user/bars/{id}/meals   Получить пункт меню ресторана на текущую дату   * GET/user/bars/{id}/meals/{name}   Добавить(изменить) новый пункт меню ресторана   * POST/admin/bars/{id}/meals   menuTO{meal;price;date}  Удалить меню ресторана   * DELETE/admin/bars/{id}/meals   Удалить пункт меню ресторана   * DELETE/admin/bars/{id}/meal/{id}   Получить результаты голосования на текущую дату:   * GET/user/votes   Получить результаты голосования любую дату:   * GET/user/votes/by/date=?{date}   Отдать голос за ресторан   * PUT/user/votes/bar/{id}/ |