# /voting REST API

## Entities&DTO

**User**

| Type | Name | Remarks |
|------|------|---------|
| Integer | id | |
| String | name | |
| String | email | |
| String | password | |
| LocalDateTime | registered | |
| Set<Role> | roles | Role - enum with roles used in Spring Security |
| Menu | menu | Voted menu |

**Restaurant**

| Type | Name | Remarks |
|------|------|---------|
| Integer | id | |
| String | name | |
| List<Menu> | menus | history of menus |

**Menu**

| Type | Name | Remarks |
|------|------|---------|
| Integer | id | |
| LocalDate | created | |
| Restaurant | restaurant | |
| List<Dish> | dishes | |
| int | voteCount | |

**Dish**

| Type | Name | Remarks |
|------|------|---------|
| Integer | id | |
| String | name | |
| int | price | 1 Rub = 100 |
| Menu | menu | |

**RestaurantDto**

| Type | Name | Remarks |
|------|------|---------|
| Integer | id | |
| String | name | |
| Menu | todayMenu | |

**ErrorInfo**

| Type | Name | Remarks |
|------|------|---------|
| String | url | |
| String | details | |

| URL | Request type | Path variables | Body Data | Response Code | Response Type | Security level | Description | CURL command |
|---|---|---|---|---|---|---|---|---|
| /restaurants | GET | | | 200 | List<RestaurantDto> | isAuthenticated | get all restaurants with today menus | curl -s http://localhost:8080/voting/restaurants --user user@yandex.ru:password |
| /restaurants/{id} | GET | restaurant id | | 200 | RestaurantDto | isAuthenticated | get a restaurant with today menu | curl -s http://localhost:8080/voting/restaurants/100000 --user user@yandex.ru:password |
| /restaurants/{restaurantId}/menus | GET | restaurant id | | 200 | Restaurant | isAuthenticated | get all menus of a restaurant (history) | curl -s http://localhost:8080/voting/restaurants/100000/menus --user user@yandex.ru:password |
| /restaurants/{restaurantId}/menus/{menuId}/dishes/{dishId} | GET | restaurant id menu id dish id | | 200 | Dish | isAuthenticated | get a dish | curl -s http://localhost:8080/voting/restaurants/100000/menus/100002/dishes/100005 --user user@yandex.ru:password |
| /restaurants/{id}/vote | POST | restaurant id | | 200 | RestaurantDto | isAuthenticated | vote for a restaurant | curl -s -X POST -H 'Content-Type:application/json' http://localhost:8080/voting/restaurants/100000/vote --user user@yandex.ru:password |
| /restaurants | POST | | Restaurant | 201 | Restaurant | ADMIN | create a restaurant | curl -s -X POST -d '{"name" : "new restaurant"}' -H 'Content-Type:application/json' http://localhost:8080/voting/restaurants --user admin@gmail.com:admin |
| /restaurants//{restaurantId}/menus | POST | restaurant id | Menu | 201 | Menu | ADMIN | create a menu | curl -s -X POST -d '{"created" : "2021-02-01"}' -H 'Content-Type:application/json' http://localhost:8080/voting/restaurants/100000/menus --user admin@gmail.com:admin |
| /restaurants/{restaurantId}/menus/{menuId}/dishes | POST | restaurant id menu id | Dish | 201 | Dish | ADMIN | create a dish | curl -s -X POST -d '{"name" : "new Dish", "price" : "1234"}' -H 'Content-Type:application/json' http://localhost:8080/voting/restaurants/100000/menus/100002/dishes --user admin@gmail.com:admin |
| /restaurants/{id} | PUT | restaurant id | Restaurant | 204 | void | ADMIN | update a restaurant | curl -s -X PUT -d '{"name" : "updated restaurant"}' -H 'Content-Type:application/json' http://localhost:8080/voting/restaurants/100000 --user admin@gmail.com:admin |
| /restaurant/{restaurantId}/menus/{menuId} | PUT | restaurant id menu id | Menu | 204 | void | ADMIN | update a menu | curl -s -X PUT -d '{"created" : "2030-02-01"}' -H 'Content-Type:application/json' http://localhost:8080/voting/restaurants/100000/menus/100002 --user admin@gmail.com:admin |
| /restaurant/{restaurantId}/menus/{menuId}/dishes/{dishId} | PUT | restaurant id menu id dish id | Dish | 204 | void | ADMIN | update a dish | curl -s -X PUT -d '{"name" : "updated Dish", "price" : "1235"}' -H 'Content-Type:application/json' http://localhost:8080/voting/restaurants/100000/menus/100002/dishes/100005 --user admin@gmail.com:admin |
| /restaurants/{id} | DELETE | restaurant id | | 204 | void | ADMIN | delete a restaurant | curl -s --request DELETE http://localhost:8080/voting/restaurants/100000 --user admin@gmail.com:admin |
| /restaurant/{restaurantId}/menus/{menuId} | DELETE | restaurant id menu id | | 204 | void | ADMIN | delete a menu | curl -s --request DELETE http://localhost:8080/voting/restaurants/100000/menus/100002 --user admin@gmail.com:admin |
| /restaurant/{restaurantId}/menus/{menuId}/dishes/{dishId} | DELETE | restaurant id menu id dish id | | 204 | void | ADMIN | delete a dish | curl -s --request DELETE http://localhost:8080/voting/restaurants/100000/menus/100002/dishes/100005 --user admin@gmail.com:admin |
| /users | GET | | | 200 | List<User> | ADMIN | get all users | curl -s http://localhost:8080/voting/users--user admin@gmail.com:admin |
| /users/{id} | GET | user id | | 200 | User | ADMIN | get a user | curl -s http://localhost:8080/voting/users/100012 --user admin@gmail.com:admin |
| /users | POST | | User | 201 | User | ADMIN | create a user | curl -s -X POST -d'{"name":"new User", "email":"newuser@gmail.com", "password":"newuser"}' -H 'Content-Type:application/json' http://localhost:8080/voting/users --user admin@gmail.com:admin |
| /users/{id} | PUT | user id | User | 204 | void | ADMIN | update a user | curl -s -X PUT -d'{"name":"updated User", "email":"updateduser@gmail.com", "password":"newuser"}' -H 'Content-Type:application/json' http://localhost:8080/voting/users/100012 --user admin@gmail.com:admin |
| /users/{id} | DELETE | user id | | 204 | void | ADMIN | delete a user | curl -s --request DELETE http://localhost:8080/voting/users/100013 --user admin@gmail.com:admin |
| /profile | GET | | | 200 | User | isAuthenticated | get a profile | curl -s http://localhost:8080/voting/profile --user user@yandex.ru:password |
| /profile | DELETE | | | 204 | void | isAuthenticated | delete a profile | curl -s --request DELETE http://localhost:8080/voting/profile --user user@yandex.ru:password |
| /profile/register | POST | | | 201 | User | any | register | curl -s -X POST -d'{"name":"new User", "email":"newuser@gmail.com", "password":"newuser"}' -H 'Content-Type:application/json' http://localhost:8080/voting/profile/register |
| /profile | PUT | | User | 204 | void | isAuthenticated | update a profile | curl -s -X PUT -d'{"name":"updated User", "email":"updateduser@gmail.com", "password":"newuser"}' -H 'Content-Type:application/json' http://localhost:8080/voting/profile --user user@yandex.ru:password |