Университет ИТМО»

Факультет ПИиКТ

Дисциплина: Технологии веб-сервисов

Лабораторная работа 5

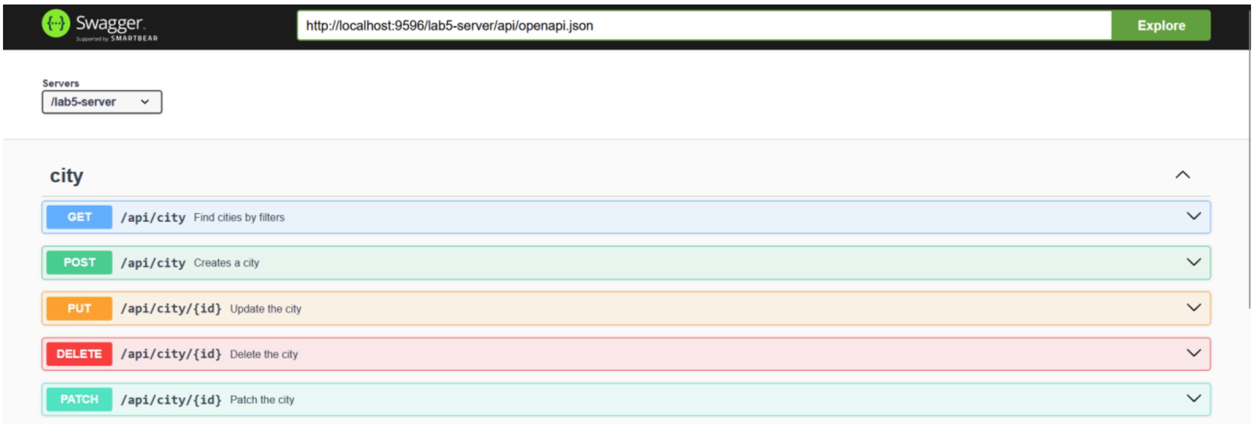
Задача

Выполнение

```
/**
 * Creates a city.
 *
 * @param city creation info DTO.
 * @return created city.
 */
@POST
@Path("/")
@Consumes(MediaType.APPLICATION_JSON)
@SneakyThrows
@Operation(
        summary = "Creates a city",
        tags = {"city"},
        description = "Create a city",
        responses = {
            @ApiResponse(
                    description = "The city",
                    content = @Content(schema = @Schema(implementation =
CityDTO.class))),
            @ApiResponse(responseCode = "400", description = "Invalid
request data"),
        })
public CityDTO create(
        @RequestBody(
                        description = "City to update",
                        required = true,
                        content = @Content(schema = @Schema(implementation
= CityCreateUpdateDTO.class)))
                final CityCreateUpdateDTO city) {
    return this.cityService.create(city);
}

/**
 * Update city by id with full-data entity.
 *
 * @param id city identifier.
 * @param city new city data.
 * @return updated city.
```

```
 */
@PUT
@Path("/{id}")
@Consumes(MediaType.APPLICATION_JSON)
@SneakyThrows
@Operation(
        summary = "Update the city",
        tags = {"city"},
        description = "Update the city with full schema",
        responses = {
            @ApiResponse(
                    description = "The city",
                    content = @Content(schema = @Schema(implementation =
CityDTO.class))),
            @ApiResponse(responseCode = "404", description = "City not
found"),
            @ApiResponse(responseCode = "400", description = "Invalid
request data"),
        })
public CityDTO update(
        @Parameter(description = "City id", required = true)
@PathParam("id") final Integer id,
        @RequestBody(
                        description = "City to update",
                        required = true,
                        content = @Content(schema = @Schema(implementation
= CityCreateUpdateDTO.class)))
                final CityCreateUpdateDTO city) {
    return this.cityService.update(id, city);
}

/**
 * Update part of city data. Updates only non-empty fields.
 *
 * @param id city identifier.
 * @param city city update data.
 * @return updated city.
 */
@PATCH
@Path("/{id}")
@Consumes(MediaType.APPLICATION_JSON)
@SneakyThrows
@Operation(
        summary = "Patch the city",
        tags = {"city"},
        description = "Patch the city partially",
        responses = {
            @ApiResponse(
                    description = "The city",
                    content = @Content(schema = @Schema(implementation =
CityDTO.class))),
            @ApiResponse(responseCode = "404", description = "City not
found"),
            @ApiResponse(responseCode = "400", description = "Invalid
request data"),
        })
```

```
public CityDTO patch(
        @Parameter(description = "City id", required = true)
@PathParam("id") final Integer id,
        @RequestBody(
                        description = "City to patch",
                        required = true,
                        content = @Content(schema = @Schema(implementation
= CityCreateUpdateDTO.class)))
                final CityCreateUpdateDTO city) {
    return this.cityService.patch(id, city);
}

/**
 * Delete city by id.
 *
 * @param id The city identifier.
 * @return OK if deleted.
 */
@DELETE
@Path("/{id}")
@SneakyThrows
@Operation(
        summary = "Delete the city",
        tags = {"city"},
        description = "Delete the city",
        responses = {
            @ApiResponse(description = "The city deletion status"),
            @ApiResponse(responseCode = "404", description = "City not
found"),
            @ApiResponse(responseCode = "400", description = "Invalid
request data"),
        })
public Response delete(@Parameter(description = "City id", required = true)
@PathParam("id") final Integer id) {
    this.cityService.deleteById(id);
    return Response.ok().build();
}
```



Вывод