**TelegramBot: Technical**

**Specification**

**1. Introduction**

TelegramBot is looking are there any unreaded messages or posts in users selected telegram channels and sending him/her notifications.

**2.UserController**

**2.1. allows us make basic operations with user profiles**

Base path /users

**2.1.1. Contents**

|  |  |  |
| --- | --- | --- |
| Operation | Method | Resource path |
| Users list | GET | /users |
| Create user | POST | /users |
| Delete user | DELETE | /users |
| Get user | GET | /users/{id} |

**2.1.1.1. Users list**

Returns users list

Output List<User>

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| id | int | User identifier |
| name | String | Username |

**2.1.1.2. Create user**

Creates user in database

*Input parameters in the request body*

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| id | int | User identifier |
| name | String | Username |

*Output execution result*

**2.1.1.3. Delete user**

Delete user from database

*Input parameters*

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| id | int | User identifier |

*Output execution result*

**2.1.1.4. Get user**

Get user by identifier

*Input parameters*

|  |  |  |
| --- | --- | --- |
| *Name* | *Type* | *Description* |
| *id* | *int* | *User identifier* |

*Output User*

|  |  |  |
| --- | --- | --- |
| *Field* | *Type* | *Description* |
| *id* | *int* | *User identifier* |
| *name* | *String* | *Username* |

**3. ChannelController**

**3.1. allows us make basic operations with channels**

Base path /channels

**3.1.1. Contents**

|  |  |  |
| --- | --- | --- |
| **Operation** | **Method** | **Resource path** |
| **Channel list** | GET | /channels |
| **Get channel** | GET | /channels/{id} |
| **Create channel** | POST | /channels |
| **Update channel** | PUT | /channels/{id} |
| **Delete channel** | DELETE | /channels/{id} |

**3.1.1.1. Channel list**

Returns channel list

Output List<Channel>

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| id | int | Channel identifier |
| name | String | Channel name |

**3.1.1.2. Get channel**

Get channel by identifier

*Input parameters*

|  |  |  |
| --- | --- | --- |
| *Name* | *Type* | *Description* |
| *id* | *int* | *Channel identifier* |

*Output Channel*

|  |  |  |
| --- | --- | --- |
| *Field* | *Type* | *Description* |
| *id* | *int* | *Channel identifier* |
| *name* | *String* | Channel name |

**3.1.1.3. Create channel**

Add channel to database

*Input parameters in the request body*

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| id | int | User identifier |
| name | String | Username |

*Output execution result*

**3.1.1.4. Update channel**

Get channel by identifier

*Input parameters*

|  |  |  |
| --- | --- | --- |
| *Name* | *Type* | *Description* |
| *id* | *int* | *Channel identifier* |

*Output Channel*

|  |  |  |
| --- | --- | --- |
| *Field* | *Type* | *Description* |
| *id* | *int* | *Channel identifier* |
| *name* | *String* | Channel name |

**3.1.1.5. Delete channel**

Delete channel from database

*Input parameters*

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| id | int | Channel identifier |

*Output execution result*