**ToDo Appliaction Basic API Documentation**

**/newTodo**

* endpoint serves for creating of new Todo
* json file must be included in following format (blue color = voluntary)

{

"title": "Send a letter",

"content": "Marry christmas letter to Jack",

"urgent": false,

"dueDate": "2021-01-20" //this ISO format must be adhered to, otherwise exception

}

* as confirmation you will recieve json with newly created Todo
* in case of error user recieves customized json error message

**/listTodos**

* endpoint serves for requesting Todos based on set parameters
* json file must be included in following format

{

"method": "all/filter",

"filterBy": "id/title/urgent/completed/dueDate/userName ", //if selected, related field bellow can´t be null

"filterOperation": "higher/lower/equals",

"id": 11,

"title": "text",

"urgent": true/false,

"completed": true/false,

"dueDate": "2021-01-20",

"userName": "text",

}

* if **method = all**, no other fields needs to be included
* if **method = filter**, it is necessary to specify fileds such as **filterBy**, **filterOperation** and **related field**(just the 1 related field is sufficient, other fields are not taken into account anyway)
* filterOperation = equals is always used for String/Boolean field types. In case of String it means "contain" except for userName, where it really means equal.
* as a result the user recieves List of Todos with matching criteria
* in case of error user recieves customized json error message

**/registration**

**/login**

* endpoint serves for registration of new users
* json file must be included in following format

{

"userName": "text",

"password": "text"

}

* in case of error user recieves customized json error message
* in case of correct login user reieves json with Bearer token

**/updateTodo**

* endpoint serves for updating Todo based on provided data
* json file must be in following format - its OK to fill only fields to be updated, except for **id, wchich must be included in every case** (it is used for pairing with relevant Todo)

{

"id": 5,

"title": "text",

"content": "text ",

"urgent": true/false,

"dueDate": "2021-01-20",

"completed": true/false,

"completitionDate": "2021-01-20",

"ownerId": 5

}

* as confirmation you will recieve json with newly created Todo
* in case of error user recieves customized json error message