**JavaScript Course – Assignment 2**

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API Spcification:

|  |  |
| --- | --- |
| Resource | /users/signup |
| Method | POST |
| Authenticated | No |
| Request Body | {  "Full name": "Ano nymo"  "email": [xxx@aaa.com](mailto:xxx@aaa.com),  "password":"1a2b3c"  } |
| Returns | {  "ID":123 (for indication only)  } |
| On Error | 400 – Bad Request  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | /users/login |
| Method | POST |
| Authenticated | No |
| Request Body | {  "email": [xxx@aaa.com](mailto:xxx@aaa.com),  "password":"1a2b3c"  } |
| Returns | {  "token":"eegigdugihguguighg464646"  } |
| On Error | 401 – Unauthorized  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | /users/logout |
| Method | POST |
| Authenticated | Yes |
| Request Body | {  Token (in header)  } |
| Returns | {  } |
| On Error | 401 – Unauthorized  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | /users/change\_status |
| Method | POST |
| Authenticated | Yes |
| Request Body | {  "ID"="123456789"  "New Status": X (1/2/3)  } |
| Returns | {  "Result":"Sucess"  } |
| On Error | 400 – Bad Request  401 – Unauthorized  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | /users/list\_users |
| Method | GET |
| Authenticated | Yes |
| Request Body | {  Token (in header)  } |
| Returns | {  {  "Id":123  "Full name":"Ano Nymo"  …}  } |
| On Error | 401 – Unauthorized  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | /posts/publish |
| Method | POST |
| Authenticated | Yes |
| Request Body | {  "text":"post's text"  } |
| Returns | {  "Post\_id" : 200  } |
| On Error | 401 – Unauthorized  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | / posts /delete |
| Method | POST |
| Authenticated | Yes |
| Request Body | {  "Post\_id":"xxx"  } |
| Returns | {  } |
| On Error | 401 – Unauthorized  403 - Forbidden  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | / posts /list\_posts |
| Method | POST |
| Authenticated | Yes |
| Request Body | {  } |
| Returns | {  All posts in a json format  } |
| On Error | 401 – Unauthorized  403 - Forbidden  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | /messages/send\_message |
| Method | POST |
| Authenticated | Yes |
| Request Body | {  "user\_id":"123456"  "text": "this is the message text"  } |
| Returns | {  "id":1234 (the ID of the new message)  } |
| On Error | 401 – Unauthorized  403 - Forbidden  500 – Internal Server Error |

|  |  |
| --- | --- |
| Resource | /messages/get\_message |
| Method | POST |
| Authenticated | Yes |
| Request Body | {  "id":1234 (the ID of the new post)  } |
| Returns | {  {messages collection}  } |
| On Error | 401 – Unauthorized  403 - Forbidden  500 – Internal Server Error |

**Users: (ID, Full name, Email, Password ssh, creation date, status)**

List all users – Admin

Approve/Suspend/Reactivate/Delete - Admin

Signup – active users

Login - active users

Logout - active users

**Posts: (owner id, post id, text, date and time)**

Publish - active users

Get posts - active users

Delete – Owner/Admin

**Messages: (sender id, receiver id, text, id, date and time)**

Send Message to All – Admin

Send Message – active users

Get messages – active users

* Installed npm package nodemon to help myself in the process of developing a restapi (every change in the files makes the server restert itself automatically)