Smart Personal Organizer

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18.6.2019, Leonding

Project Name	Smart Organizer
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Version	1.0
Document state	In process

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1 Tests

1.1 REST Server

1.1.1 Test 1 - Register User

Test step	Description	Expected Result
1	Register non existing user on REST server per POST request and with valid JSON-Object	The user will be created on the server and the server send a JSON-Object with the username of the created user.
2	Register an existing user on REST server per POST request and with valid JSON-Object	The user will not be created on the server send an error with error code back.
3	Send incorrect JSON object to the REST server per Post request	The server answers with a JSON-Object with an error (Unvalid request).

1.1.2 Test 2 - Login User

Test step	Description	Expected Result
1	Login existing user with correct password and username	The server will answer with an JSON-Object with a username attribut and a token attribut.
2	Try to login non existing user on REST server per POST request	The server answers with a JSON-Object with an error and error code.
3	Try to login an existing user on REST server per POST request with wrong password	The server answers with a JSON-Object with an error and error code.
4	Send JSON object with too many/less attributes to the REST server per Post request	The server answers with a JSON-Object with an error (Unvalid request).

1.1.3 Test 3 - **Logout User**

Test step	Description	Expected Result
1	Logout existing user with correct token and username	The server will answer with a JSON-Object with result that the result logout.
2	Try to logout non existing user on REST server per POST request	The server answers with a JSON-Object with an error and error code.
3	Try to logout an existing user on REST server per POST request with wrong token	The server answers with a JSON-Object with an error and error code.
4	Send JSON object with too many/less attributes to the REST server per Post request	The server answers with a JSON-Object with an error (Unvalid request).

1.1.4 Test 4 - **Create Appointment**

Test step	Description	Expected Result
1	Create appointment with valid token and username	The server creates the appointment and gives back a result.
2	Create appoitnment with invalid token or invalid username	The server sends an error.
3	Send JSON object with too less attributes to the REST server per Post request	The server answers with "Unvalid request" error.

1.1.5 Test 5 - **Delete appointment**

Test step	Description	Expected Result
1	Send valid JSON-Object with valid username and token and appointmentid	The server will answer with a result.
2	Send valid JSON-Object with invalid username or token	The server will answer with an error that username or token is not correct.
3	Send JSON object with too less attributes to the REST server per Post request	The server answers with "Unvalid request" error.

1.1.6 Test 6 - **Edit appointment**

Test step	Description	Expected Result
1	Edit existing appointment with valid JSON-Object	The server will answer with a result.
2	Send JSON object with too less attributes to the REST server per Post request	The server answers with "Unvalid request" error.
3	Edit existing appointment with valid JSON-Object but the user is not the owner of the appointment	The server will answer with an error.
4	Edit non existing appointment	The server will answer with an error.

1.1.7 Test 7 - **Get all appointments**

Test step	Description	Expected Result
1	Send valid JSON object with valid token and username	The server will send all appointments of the given user.
2	Send valid JSON object with invalid token or invalid username	The server will send an error.
3	Send JSON object with too less attributes to the REST server per Post request	The server answers with "Unvalid request" error.

1.1.8 Test 8 - **Create Group**

Test step	Description	Expected Result
1	Send valid JSON object with valid token and username and valid name	The server will send a result and will create the group.
2	Send valid JSON object with invalid token or invalid username or existing name	The server will send an error.
3	Send JSON object with too less attributes to the REST server per Post request	The server answers with "Unvalid request" error.

1.1.9 Test 9 - **Delete Group**

Test step	Description	Expected Result
1	Send valid JSON object with valid token and username and valid name and valid groupname	The server will send a result and will delete the group.
2	Send valid JSON object with invalid token or invalid username or existing name	The server will send an error.
3	Send JSON object with too less attributes to the REST server per Post request	The server answers with "Unvalid request" error.

1.1.10 Test 10 - **Get Group**

Test step	Description	Expected Result
1	Send valid username and valid token	The server will send all groups in which the user is the owner.
2	Send JSON object with too less attributes to the REST server per Post request	The server answers with "Unvalid request" error.
3	Send invalid username or invalid token	The server will answer with an error.

1.1.11 Test 11 - Path

Test step	Description	Expected Result
1	Send a JSON object to a non existing path	The server will answer with an error and error code.