Charter 1. Explore User API endpoints

Purpose:

Explore User API endpoints

With manually created data

To discover behavior of API, invalid inputs, input restrictions

Timebox:

Date: 31.10.2024

Duration: 30 minutes

Tools: Postman

Notes:

1. When you log in multiple times then each token is valid. Since I have no project requirements I won't test this behavior.

2. Can create a user with the "_id" field which I provided. I assume this should've been restricted.

3. When trying to patch user and set own "_id" in response body there are internal address and url to AWS MongoDB database. I can ping url externally from my computer.

4. When registering a user with no fields in response, it says that only firstName, userName, and password are required. When trying to register a user without email it says that "Email address is already in use" and it is misleading.

5. User fields limits:
   - All fields are required;
   - Password length: $7 <= p <= 100$;
   - Email doesn't allow invalid domain, spaces, missed @, missed user part, missed domain part;
   - _id length is 24.

Bugs:

Notes 2, 3, 4.

1. Special characters possible in email like "jo#n.green@mail.com".

Charter 2. Explore Contact API endpoints

Purpose:

Explore Contact API endpoints

With manually created data

To discover behavior of API, invalid inputs, input restrictions

Timebox:

Date: 01.11.2024

Duration: 30 minutes

Tools: Postman

Notes:

1. Documentation [Link] is wrong:
   - Get, Put, Patch Contact doesn't work. Missing {id} part in url. Didn't write that token is required;
   - Request labeled as "Delete contact" deletes all contacts. When tried to use this endpoint received response code 503;
   - Delete Contact {id} is not listed in documentation but endpoint is working.

2. If you try to create Contact and then the same one but give it "_id" of the first in response is shown MongoError. Looks like this case was not handled and received general error from backend library which interacts with database.

3. Created contact with all fields. Updated (PUT) with only firstName and lastName. After trying to get thet contact each field exists but with null value. Don't know whether to consider it good or bad sign and which outcome tests should have.

4. Contact fields limits:
   - Only firstName and lastName are required;
   - firstName, lastName: empty not allowed, max len 20;
   - birthdate: format yyyy-mm-dd, empty not allowed, year any 4 numbers, month only 2 numbers and in range [01; 12], day only 2 numbers and in range [01;31];
   - email: empty not allowed, validation is the same [Charter 1. Note 5];
   - phone: empty not allowed, strange validation – haven't found any patter therefore can't test it thoroughly.

Allowed: 1234567890, +551234567890, 111222333

Is not allowed: +1222333444, +48222333444, +1234567890

- ○ stree1, street2, city: empty is allowed, max length 40;

- ○ stateProvince: empty is allowed, max length 20;

- ○ postalCode: empty is not allowed, only numbers, length is in range [3; 7];

- ○ country: empty is allowed, max len 40

Bugs:

Note 2.

1. Birthday in future is allowed.

2. Birthday with year earlier than 1900 is allowed. So min year allowed is 1000 and max year is 9999.

Charter 3. Explore website UI

Purpose Explore UI With manually created data To discover how UI looks and works
Timebox Date: 02.11.2024 Duration: 10 minutes
Tools: Firefox DevTools

Notes:
 	
  1. On Contact List page tbody element is empty. Each row is put right under table tag. Each table row should be under tbody tag. Nevertheless, I'll write automation UI test regarding this part so that table will be parsed successfully.
 	
  2. Id of each contact is sent to client but it's just set to be invisible. Don't know requirements, so I won't test it.

Bugs: Note 1.