Requirement: Create an Asp.Net Core Web Application that receives username and password via POST request (from Postman).

It receives "email" and "password" as query string from request body.

Parameters:

email: any email address

password: any password string

Finally, it should return message as either "Successful login" or "Invalid login".

Process:

If email is "admin@example.com" and password is "admin1234", it is treated as a valid login; otherwise invalid login.

Example #1:

If you receive a HTTP POST request at path "/", if the valid email and password are submitted, it should return HTTP 200 response.
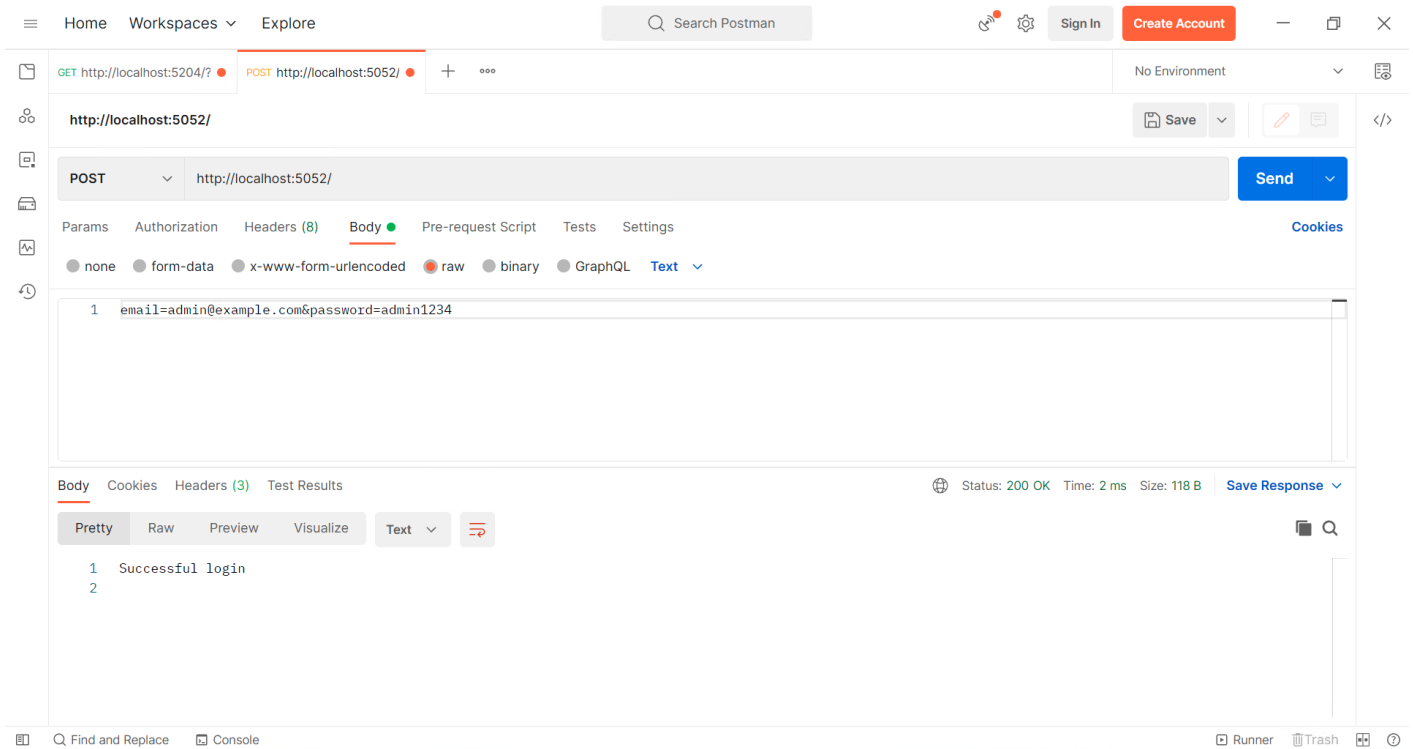
Request Url: /

Request Method: POST

Request body (input): email=admin@example.com&password=admin1234

Response Status Code: 200

Response body (output):

```
Successful login
```

Example #2:

If you receive a HTTP POST request at path "/", if either email or password is incorrect, it should return HTTP 400 response.

Request Url: /

Request Method: POST

Request body (input): email=manager@example.com&password=manager-password

Response Status Code: 400

Response body (output):

```
Invalid login
```

Example #3:

If you receive a HTTP POST request at path "/", if neither email and password is submitted, it should return HTTP 400 response.
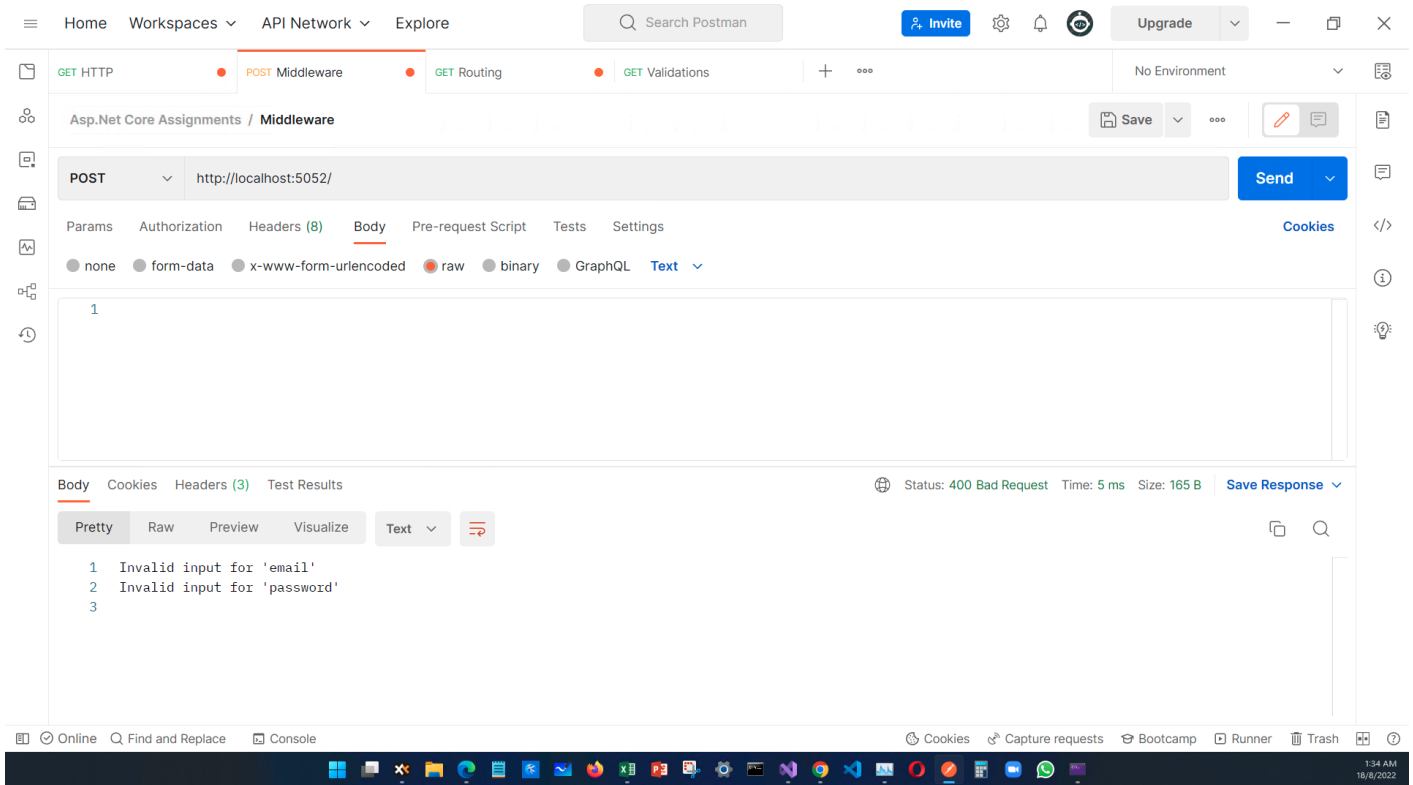
Request Url: /

Request Method: POST

Request body (input): [empty]

Response Status Code: 400

Response body (output):

```
Invalid input for 'email'
Invalid input for 'password'
```

Invalid input for 'email'
Invalid input for 'password'

Example #4:

If you receive a HTTP POST request at path "/", if password is not submitted, it should return HTTP 400 response.

Request Url: /

Request Method: POST

Request body (input): email=test@example.com

Response Status Code: 400

Response body (output):

```
Invalid input for 'password'
```

Example #5:

If you receive a HTTP POST request at path "/", if email not is submitted, it should return HTTP 400 response.

Request Url: /

Request Method: POST

Request body (input): password=1234

Response Status Code: 400

Response body (output):

```
Invalid input for 'password'
```

Example #6:

If you receive a HTTP GET request at path "/", it should return HTTP 200 response.

Request Url: /

Request Method: GET

Response Status Code: 200

Response body (output):

```
No response
```

Instructions:

- Use custom conventional middleware (with middleware extensions) to handle the post request at path "/"
- The "email" and "password" values are mandatory
- Return appropriate HTTP status codes based on above examples.
- Do not create controllers or any other concept which is not yet covered, to avoid confusion.

Questions for this assignment

Check your source code with Instructor's source code.