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Task B1

Link to github: <https://github.com/ailanthustng/taskb>

How to run the API locally:

- 1) Clone the repository using `git clone`.
- 2) Go into the directory using `cd taskb`.
- 3) Run the application using `nodemon index`.

Available endpoints:

- 1) GET /api/contacts
- 2) POST /api/contacts
- 3) GET /api/contacts/:id
- 4) PUT /api/contacts/:id
- 5) DELETE /api/contacts/:id

Steps before using Postman on **Localhost**:

1. Select the Request you want (e.g PUT, GET).
2. For PUT & POST, select 'Body', then choose 'x-www-form-urlencoded'.

E.g:

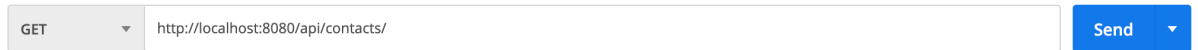
The screenshot shows the Postman interface for a POST request to `http://localhost:8080/api/contacts/`. The 'Body' tab is selected, and the 'x-www-form-urlencoded' format is chosen. The body is represented as a table with the following data:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> name	bobby	
<input checked="" type="checkbox"/> email	bob@email.com	
<input checked="" type="checkbox"/> phone	98765432	
<input checked="" type="checkbox"/> gender	Male	

Additional interface elements include a 'Send' button, a 'Save' dropdown, and tabs for Params, Authorization, Headers (8), Body, Pre-request Script, Tests, and Settings. There are also links for Cookies and Code.

GET /api/contacts (to get **ALL** contacts)

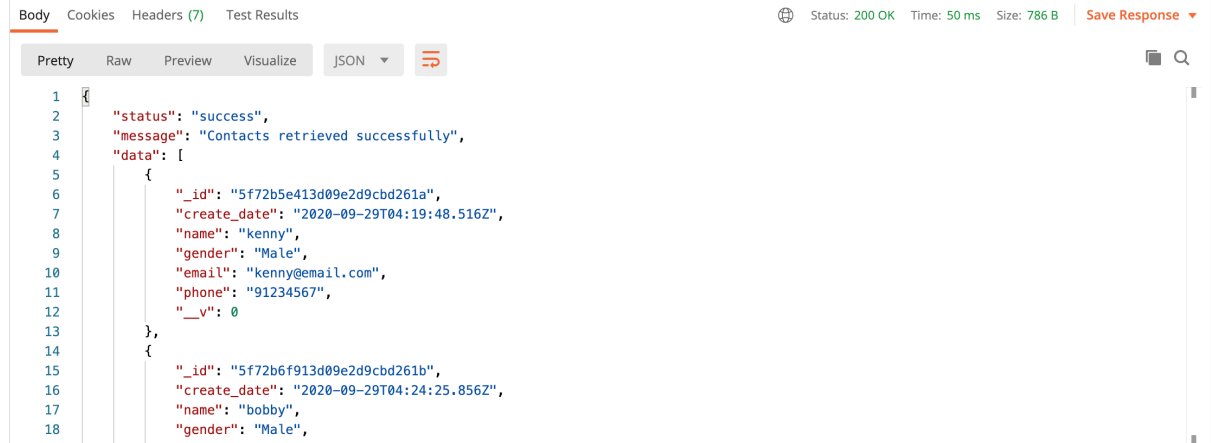
- 1) Using Postman, enter <http://localhost:8080/api/contacts/> in the request URL box.



A screenshot of the Postman interface showing a GET request to the URL `http://localhost:8080/api/contacts/`. The 'Send' button is visible on the right.

- 2) Press "Send".
- 3) You will receive the response body with a success message.

E.g:

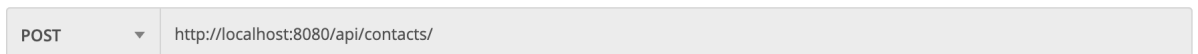


A screenshot of the Postman response body for the GET request. The status is 200 OK, time is 50 ms, and size is 786 B. The response is in JSON format, showing a success message and a list of two contacts: 'kenny' and 'bobby'.

```
{
  "status": "success",
  "message": "Contacts retrieved successfully",
  "data": [
    {
      "_id": "5f72b5e413d09e2d9cbd261a",
      "create_date": "2020-09-29T04:19:48.516Z",
      "name": "kenny",
      "gender": "Male",
      "email": "kenny@email.com",
      "phone": "91234567",
      "__v": 0
    },
    {
      "_id": "5f72b6f913d09e2d9cbd261b",
      "create_date": "2020-09-29T04:24:25.856Z",
      "name": "bobby",
      "gender": "Male",
      "email": "bobby@email.com",
      "phone": "98765432",
      "__v": 0
    }
  ]
}
```

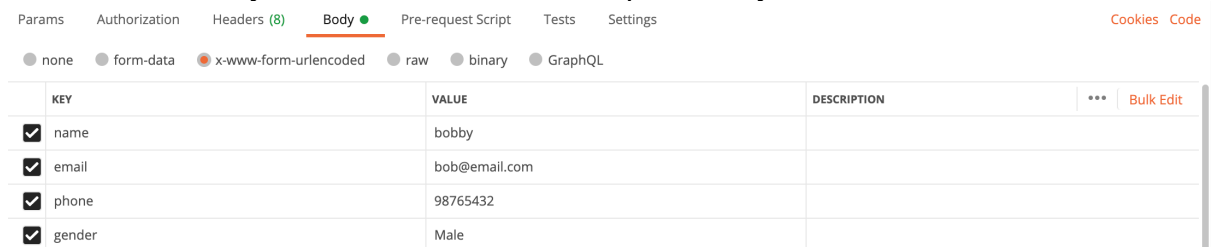
POST /api/contacts

- 1) Using Postman, enter <http://localhost:8080/api/contacts/> in the request URL box.



A screenshot of the Postman interface showing a POST request to the URL `http://localhost:8080/api/contacts/`.

- 2) Enter the details you want to send in the request body.

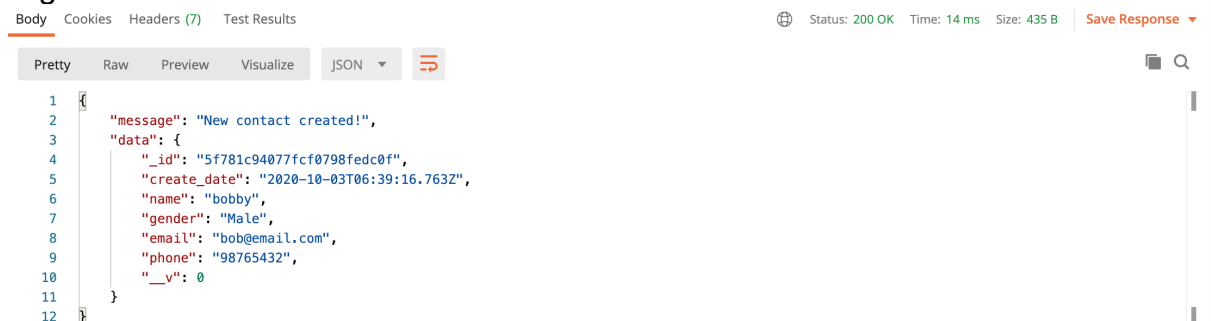


A screenshot of the Postman request body for the POST request. The 'Body' tab is selected, and the 'x-www-form-urlencoded' radio button is chosen. A table shows the key-value pairs for the request body.

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> name	bobby	
<input checked="" type="checkbox"/> email	bob@email.com	
<input checked="" type="checkbox"/> phone	98765432	
<input checked="" type="checkbox"/> gender	Male	

- 3) Press "Send".
- 4) You will receive the response body with a success message.

E.g:

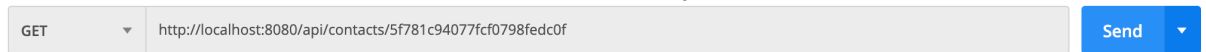


A screenshot of the Postman response body for the POST request. The status is 200 OK, time is 14 ms, and size is 435 B. The response is in JSON format, showing a success message and the details of the newly created contact.

```
{
  "message": "New contact created!",
  "data": {
    "_id": "5f781c94077fcf0798fedc0f",
    "create_date": "2020-10-03T06:39:16.763Z",
    "name": "bobby",
    "gender": "Male",
    "email": "bob@email.com",
    "phone": "98765432",
    "__v": 0
  }
}
```

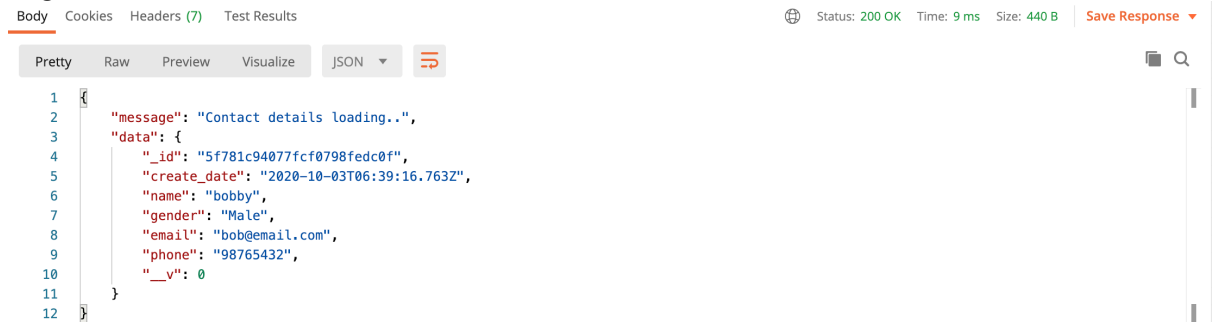
GET /api/contacts/:id (to get **individual** contacts)

- 1) Using Postman, enter <http://localhost:8080/api/contacts/:id> in the request URL box, where id can be retrieved from the GET request.



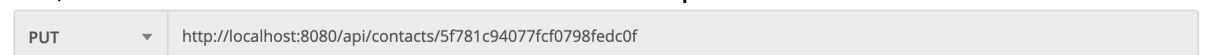
- 2) Press "Send".
- 3) You will receive the response body with a message.

E.g:

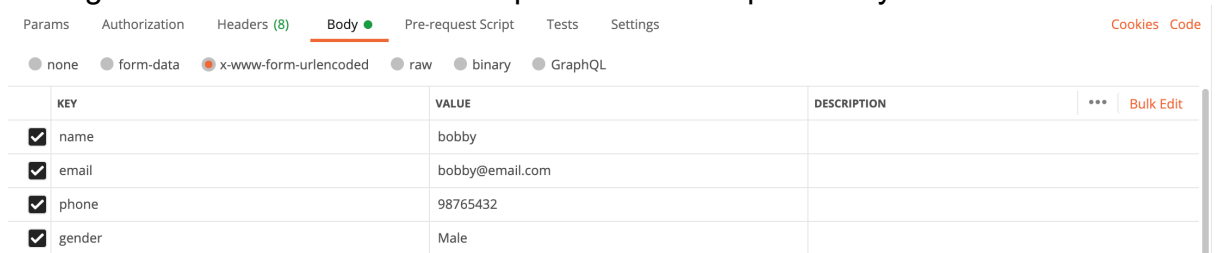


PUT /api/contacts/:id (to **update** individual contacts)

- 1) Using Postman, enter <http://localhost:8080/api/contacts/:id> in the request URL box, where id can be retrieved from the GET request.

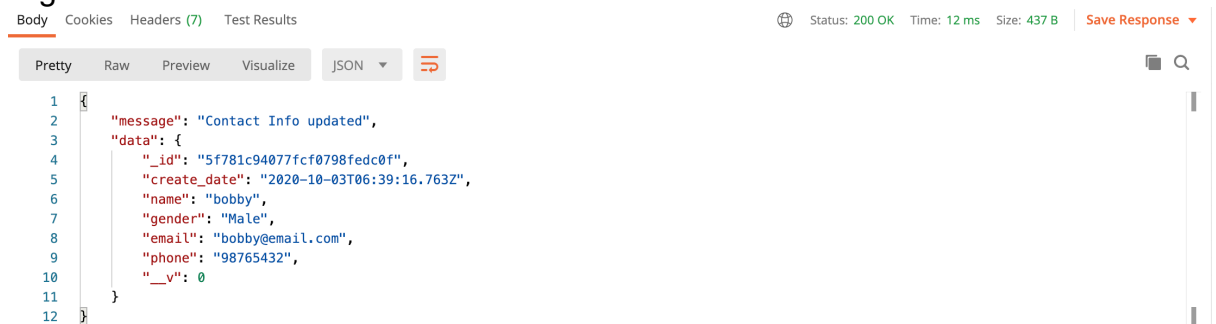


- 2) Change whatever is needed to be updated in the request body.



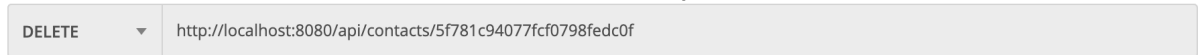
- 3) Press "Send".
- 4) You will receive the response body with a success message.

E.g:



DELETE /api/contacts/:id

- 1) Using Postman, enter <http://localhost:8080/api/contacts/:id> in the request URL box, where id can be retrieved from the GET request.



- 2) Press "Send".
- 3) You will receive the response body with a success message.

E.g:

