

# REST API SPECIFICATION

Student: Yessy Rayner

Deployed site: <https://purple-lake-2509.fly.dev/projects/>

Github link: <https://github.com/SheCodesAus/she-codes-crowdfunding-api-project-YessyLee>

## User 1

Username: admin

Password: admin

Email: admin@admin.com

## User 2

username: testuser2

password: password

Email: testuser2@test.com

## User 3

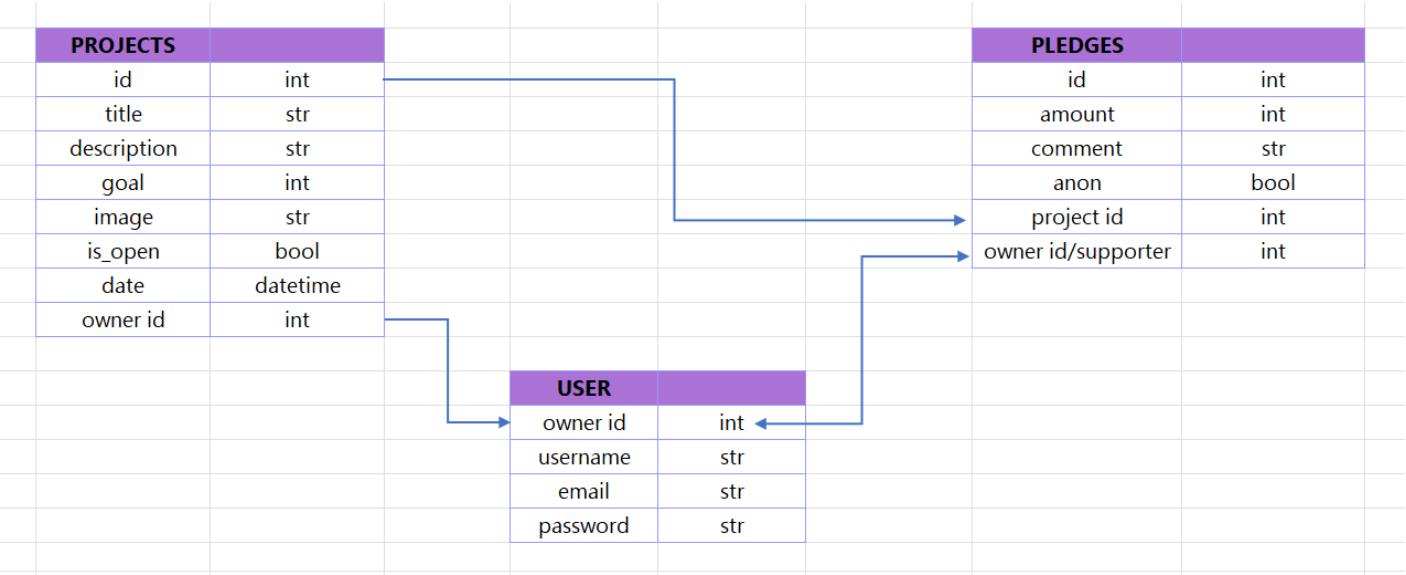
username: testuser3

password: password

Email: testuser3@test.com

Method	URL	Body	Response Code	Authentication/Authorization
GET	/projects/	Returns all projects	200	N/A
GET	/pledges/	Returns all pledges	200	N/A
GET	/users/	Returns all users	200	N/A
GET	/projects/{id}/	View project with id=id	200	N/A
GET	/pledges/{id}/	View pledges with id=id	200	N/A
GET	/users/{id}/	View users with id=id	200	N/A
POST	/projects/	Create a new project	201	Must be logged in.
PUT	/projects/{id}/	Updates the project with id=id	200	Must be logged in. Must be the project owner.
POST	/pledges/	Create a new pledge	201	Must be logged in.
PUT	/pledges/{id}/	Updates the pledge with id=id	200	Must be logged in. Must be the pledge owner.
PUT	/users/{id}/change-password/	Change password	200	Must be logged in. Must be user.

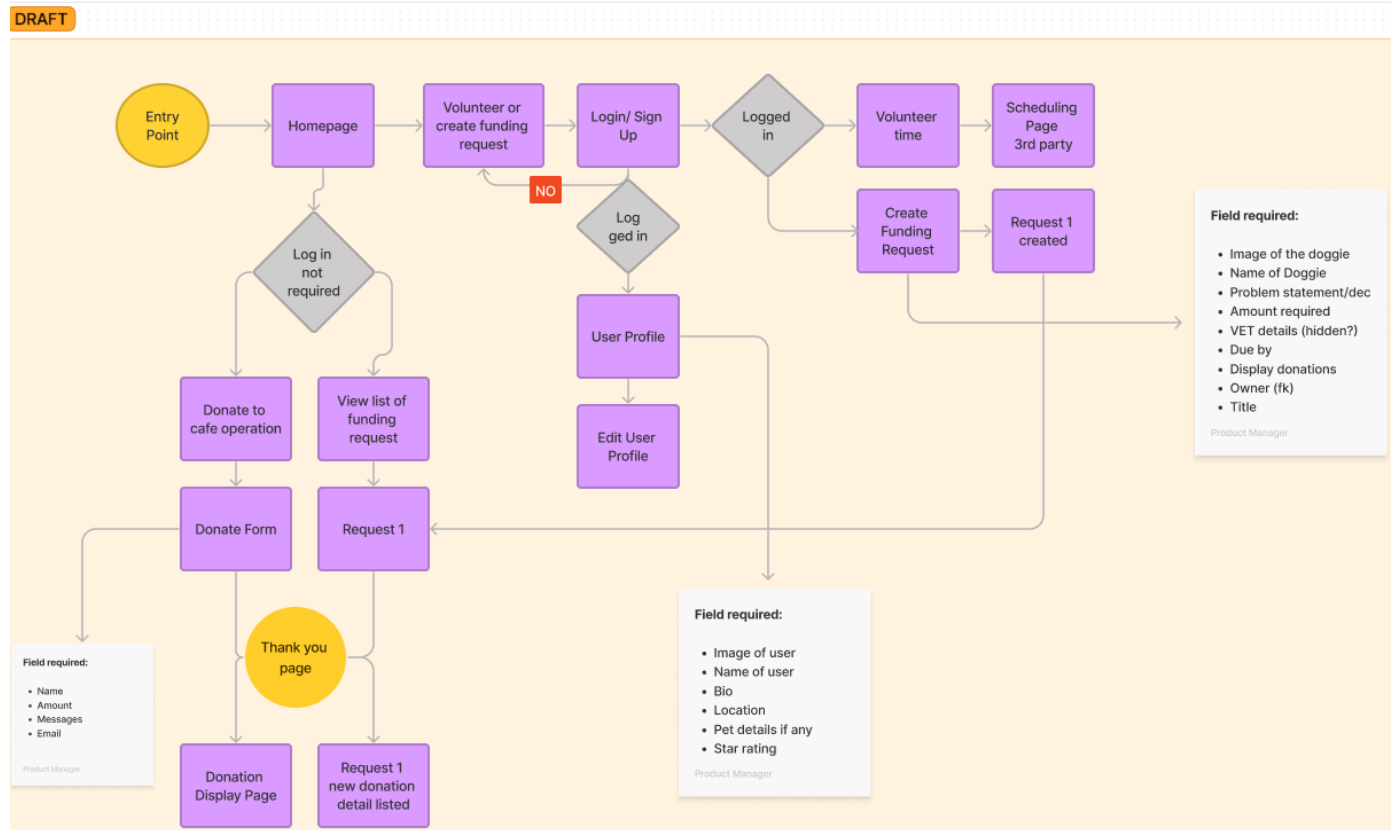
# DATABASE SCHEMA



# WIREFRAME

Initial wireframe, I would need to work on it again due to change of topic from “Doggy Café” to “FutureProofME” (Donate fund for study) and would simplify the flow as well.

Drafts / Flow Chart DRAFT - Ruff Day Cafe ▾



# SCREENSHOTS

## USERS & ADMIN - POST - api-token-auth

This screenshot shows the Insomnia API client interface. The left sidebar displays a collection named 'user: admin' with a list of endpoints. The main panel shows a POST request to 'POST /api-token-auth/' with a JSON body containing 'username' and 'password' fields. The response is a 200 OK status with a response time of 121 ms and a body size of 52 B. The response body is a JSON object with a 'token' field. A notification banner at the bottom right indicates an update to version 2022.7.5.

Insomnia / Crowd Funding

Yessy Rayner

localhost

Filter

user: admin

POST /api-token-auth/

POST /pledges/

user: testuser2

POST /api-token-auth/

POST /projects/

POST /pledges/

PUT /projects/3/

PUT /pledges/1/

GET /pledges/

GET /projects/

GET /projects/3/

GET /users/

POST /api-token-auth/

JSON

Auth

Query

Headers 1

Docs

1 \* {

2 "username": "...username",

3 "password": "...password"

4 }

200 OK

121 ms

52 B

4 Days Ago

Preview

Headers 10

Cookies

Timeline

1 \* {

2 "token": "4c8d4dcbf3d67b2c3091998eeacdd091b7fa2291"

3 }

Beautify JSON

Updated to 2022.7.5

Dismiss

See What's New

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This screenshot shows the Insomnia API client interface. The left sidebar displays a collection named 'user: testuser2' with a list of endpoints. The main panel shows a POST request to 'POST /api-token-auth/' with a JSON body containing 'username' and 'password' fields. The response is a 200 OK status with a response time of 171 ms and a body size of 52 B. The response body is a JSON object with a 'token' field. A notification banner at the bottom right indicates an update to version 2022.7.5.

Insomnia / Crowd Funding

Yessy Rayner

localhost

Filter

user: admin

POST /api-token-auth/

POST /pledges/

user: testuser2

POST /api-token-auth/

POST /projects/

POST /pledges/

PUT /projects/3/

PUT /pledges/1/

GET /pledges/

GET /projects/

GET /projects/3/

GET /users/

POST /api-token-auth/

JSON

Bearer

Query

Headers 1

Docs

1 \* {

2 "username": "...username",

3 "password": "...password"

4 }

200 OK

171 ms

52 B

2 Hours Ago

Preview

Headers 10

Cookies

Timeline

1 \* {

2 "token": "28e32b28c0f1096b28d9c366bf8b846274ff4358"

3 }

Beautify JSON

Updated to 2022.7.5

Dismiss

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## USERS - PROJECTS – POST & PUT

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localhost Cookies

POST `..base_url /projects/` Send 201 Created 11.7 ms 405 B 2 Hours Ago

JSON Bearer Query Headers Docs

```
1 * {
2   "title": "Donate a Project Management Course",
3   "description": "I would like to upskill and get a job as a
4   Project Manager, please donate, so I can attend a accredited
5   course at ATI",
6   "goal": "5000",
7   "image":
8   "https://www.herzing.edu/sites/default/files/styles/fp_960_480
9   /public/2020-09/project-management-skills.jpg.webp?itok=rN-
10  QQPq6",
11  "is_open": true,
12  "date_created": "2023-02-05"
13 }
```

Preview Headers Cookies Timeline

```
1 * {
2   "id": 4,
3   "title": "Donate a Project Management Course",
4   "description": "I would like to upskill and get a job as a
5   Project Manager, please donate, so I can attend a accredited
6   course at ATI",
7   "goal": 5000,
8   "image":
9   "https://www.herzing.edu/sites/default/files/styles/fp_960_480
10  /public/2020-09/project-management-skills.jpg.webp?itok=rN-
11  QQPq6",
12  "is_open": true,
13  "date_created": "2023-02-05T09:53:03.520970Z",
14  "owner": 3
15 }
```

Beautify JSON

Updated to 2022.7.5

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Insomnia / Crowd Funding

localhost Cookies

PUT `..base_url /projects/3/` Send 200 OK 67.4 ms 691 B 3 Hours Ago

JSON Bearer Query Headers Docs

```
1 * {
2   "id": 3,
3   "title": "Donate a Data Science Course",
4   "description": "Please help, I would like to get into
5   Data Science and future proof myself. I am currently $7000
6   short to attend a bootcamp course at UMA. Any help is much
7   appreciated. Thank you!",
8   "goal": 8000,
9   "image":
10  "https://miro.medium.com/max/925/0*3Ph02nFyy9jfQ8kz.jpeg",
11  "is_open": true,
12  "date_created": "2023-02-05T01:11:20.250796Z",
13  "owner": 3
14 }
```

Preview Headers Cookies Timeline

```
1 * {
2   "id": 3,
3   "title": "Donate a Data Science Course",
4   "description": "Please help, I would like to get into Data
5   Science and future proof myself. I am currently $7000 short
6   to attend a bootcamp course at UMA. Any help is much
7   appreciated. Thank you!",
8   "goal": 8000,
9   "image":
10  "https://miro.medium.com/max/925/0*3Ph02nFyy9jfQ8kz.jpeg",
11  "is_open": true,
12  "date_created": "2023-02-05T01:11:20.250796Z",
13  "owner": 3,
14  "pledges": [
15    {
16      "id": 1,
17      "amount": 200,
18      "comment": "Good luck",
19      "anonymous": true,
20      "project": 3,
21      "supporter": null
22    },
23    {
24      "id": 2,
25      "amount": 200,
26      "comment": "Good luck"
27    }
28  ]
29 }
```

Beautify JSON

Updated to 2022.7.5

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## USERS – PLEDGES – POST & PUT

Insomnia / Crowd Funding

Yessy Rayner

localhost

Filter

user: admin

POST /api-token-auth/

POST /pledges/

user: testuser2

POST /api-token-auth/

POST /projects/

POST /pledges/

PUT /projects/3/

PUT /pledges/1/

GET /pledges/

GET /projects/

GET /projects/3/

GET /users/

POST `__base_url /pledges/` Send

201 Created 21.4 ms 93 B 2 Hours Ago

JSON Bearer Query Headers Docs

```
1 {
2   "amount": 150,
3   "comment": "You can do it",
4   "anonymous": true,
5   "project": 3,
6   "supporter": null
7 }
```

Preview Headers Cookies Timeline

```
1 {
2   "id": 4,
3   "amount": 150,
4   "comment": "You can do it",
5   "anonymous": true,
6   "project": 3,
7   "supporter": null
8 }
```

Beautify JSON

\$.store.books[\*].author

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Preferences

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Insomnia / Crowd Funding

Yessy Rayner

localhost

Filter

user: admin

POST /api-token-auth/

POST /pledges/

user: testuser2

POST /api-token-auth/

POST /projects/

POST /pledges/

PUT /projects/3/

PUT /pledges/1/

GET /pledges/

GET /projects/

GET /projects/3/

GET /users/

PUT `__base_url /pledges/1/` Send

200 OK 23.4 ms 89 B 2 Hours Ago

JSON Bearer Query Headers Docs

```
1 {
2   "id": 1,
3   "amount": 200,
4   "comment": "Good luck",
5   "anonymous": true,
6   "project": 3,
7   "supporter": null
8 }
```

Preview Headers Cookies Timeline

```
1 {
2   "id": 1,
3   "amount": 200,
4   "comment": "Good luck",
5   "anonymous": true,
6   "project": 3,
7   "supporter": null
8 }
```

Beautify JSON

\$.store.books[\*].author

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## GET – WHEN NOT LOGGED IN

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Yessy Rayner

localhost Cookies

GET `__base_url /pledges/` Send 200 OK 3.93 ms 181 B 8 Hours Ago

Body Auth Query Headers Docs

Preview Headers<sup>10</sup> Cookies Timeline

```
1 * [
2 * {
3 *   "id": 1,
4 *   "amount": 200,
5 *   "comment": "Good luck",
6 *   "anonymous": true,
7 *   "project": 3,
8 *   "supporter": null
9 * },
10 * {
11 *   "id": 2,
12 *   "amount": 200,
13 *   "comment": "Good luck",
14 *   "anonymous": true,
15 *   "project": 3,
16 *   "supporter": null
17 * }
18 ]
```

Enter a URL and send to get a response

Select a body type from above to send data in the body of a request

Introduction to Insomnia

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\$.store.books[\*].author

Preferences

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Insomnia / Crowd Funding

Yessy Rayner

localhost Cookies

GET `__base_url /users/` Send 200 OK 17.9 ms 203 B 8 Minutes Ago

Body Auth Query Headers Docs

Preview Headers<sup>10</sup> Cookies Timeline

```
1 * [
2 * {
3 *   "email": "admin@admin.com",
4 *   "username": "admin"
5 * },
6 * {
7 *   "email": "testuser1@admin.com",
8 *   "username": "testuser1"
9 * },
10 * {
11 *   "email": "test2@test.com",
12 *   "username": "testuser2"
13 * },
14 * {
15 *   "email": "test3@test.com",
16 *   "username": "testuser3"
17 * }
18 ]
```

Enter a URL and send to get a response

Select a body type from above to send data in the body of a request

Introduction to Insomnia

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\$.store.books[\*].author

Preferences

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Insomnia / Crowd Funding

Yessy Rayner

localhost Cookies

GET `_.base_url /pledges/1/` Send 200 OK 2.95 ms 89 B 5 Minutes Ago

Body Auth Query Headers Docs

Preview Headers Cookies Timeline

```
1 * {
2   "id": 1,
3   "amount": 200,
4   "comment": "Good luck",
5   "anonymous": true,
6   "project": 3,
7   "supporter": null
8 }
```

Enter a URL and send to get a response

Select a body type from above to send data in the body of a request

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Insomnia / Crowd Funding

Yessy Rayner

localhost Cookies

GET `_.base_url /projects/3/` Send 200 OK 4.02 ms 785 B 9 Minutes Ago

Body Auth Query Headers Docs

Preview Headers Cookies Timeline

```
1 * {
2   "id": 3,
3   "title": "Donate a Data Science Course",
4   "description": "Please help, I would like to get into Data Science and future proof myself. I am currently $7000 short to attend a bootcamp course at UWA. Any help is much appreciated. Thank you!",
5   "goal": 8000,
6   "image": "https://miro.medium.com/max/925/0*3Ph02nFyy9jf08kz.jpeg",
7   "is_open": true,
8   "date_created": "2023-02-05T01:11:20.250796Z",
9   "owner": 3,
10  "pledges": [
11    {
12      "id": 1,
13      "amount": 200,
14      "comment": "Good luck",
15      "anonymous": true,
16      "project": 3,
17      "supporter": null
18    },
19    {
20      "id": 2,
21      "amount": 200,
22      "comment": "Good luck"
23    }
24  ]
25 }
```

Enter a URL and send to get a response

Select a body type from above to send data in the body of a request

Introduction to Insomnia

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