CFG Nanodegree Project Book Rating

Presentation by Stacy & Nina



Book Rating

Rating books has never been easier. Liking other people's books and more!

→ Users Authentication & Security

Ability to log in and see all of the books

Only authenticated users can perform CRUD operations on the books

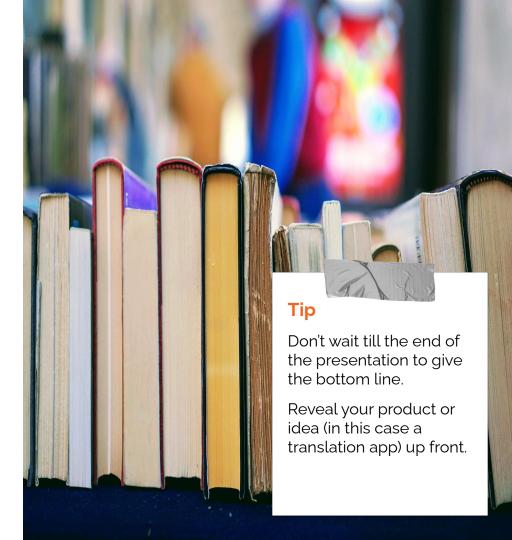
→ CRUD Operations on books Create/Read/Update/Delete

→ Likes

Only authenticated users can like books. Ability to see how many likes are on the books We created **Books & Users** Django Models.

We implemented GraphQL

Queries and Mutations.



What is the Tech Stack:

- Django
- GraphQL
- Graphene-Python
- Sqlite DB



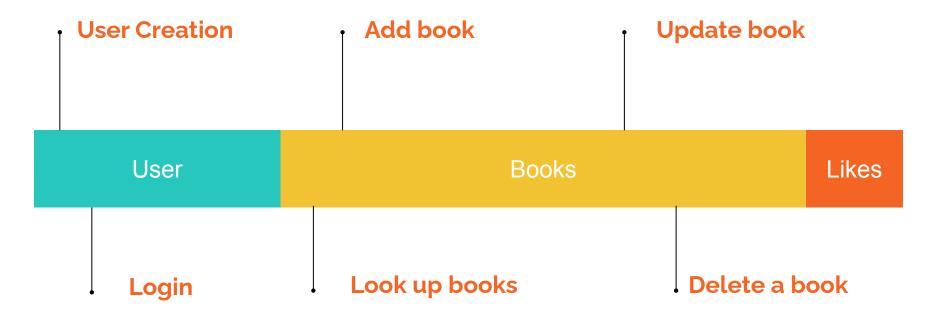
GraphQL

is a query language for APIs and a runtime for fulfilling those queries with your existing data.

Functionalities / Workflow

- Create a new user
- Log in
- Look up the list of books
- Try to search for a particular book (you do not find so you want to add it)
- Add the book
- Modify the book
- Like other people's books
- See how many likes are on the books
- Delete a book

Workflow



GraphQL Schema

books(search: String): [BookType]

likes: [LikeType]

user(id: Int!): UserType

me: UserType

```
createBook(
  author: String
  description: String
  title: String
  url: String
): CreateBook
updateBook(
  author: String
  bookld: Int!
  description: String
  title: String
  url: String
): UpdateBook
deleteBook(bookld: Int!): DeleteBook
createLike(bookld: Int!): CreateLike
createUser(
  email: String!
  password: String!
  username: String!
): CreateUser
tokenAuth(username: String!, password: String!): ObtainJSONWebToken
 Obtain JSON Web Token mutation
verifyToken(token: String): Verify
refreshToken(token: String): Refresh
```

What people are saying

With this app, I'm confident that my friends will see the books I read.

Sandy, CA

I can like other people's books and see useful information.

Ronny Reader, NYC

I can change information and delete books!

Abby Author, NYC

Thank you for your Time!

Questions?

Nina - maninanicky@gmail.com

Stacy - i.kutyepov@gmail.com

Get Books

```
"data": {
    "books": [
        "id": "8",
        "title": "Python Programming",
        "author": "Unknown",
        "description": "Python language for beginners",
        "postedBy": {
          "id": "8"
        "title": "Python in easy steps, 2nd Edition - covers Python 3.7",
        "author": "Mike McGrath".
        "description": "Python in easy steps, 2nd edition begins by explaining how to install the free Python
interpreter so you can quickly begin to create your own executable programs by copying the book's examples. It
demonstrates all the Python language basics before moving on to provide examples of Object Oriented Programming
(OOP) and CGI scripting to handle web form data. The book concludes by demonstrating how you can use your
acquired knowledge to create and deploy graphical windowed applications.",
        "postedBy": {
          "id": "8"
        "id": "10",
        "title": "Python for Excel: A Modern Environment for Automation and Data Analysis",
        "author": "Felix Zumstein",
        "description": "While Excel remains ubiquitous in the business world, recent Microsoft feedback forums
are full of requests to include Python as an Excel scripting language. In fact, it's the top feature requested.
What makes this combination so compelling? In this hands-on guide, Felix Zumstein--creator of xlwings, a popula
open source package for automating Excel with Python--shows experienced Excel users how to integrate these two
worlds efficiently. Excel has added quite a few new capabilities over the past couple of years, but its
automation language, VBA, stopped evolving a long time ago. Many Excel power users have already adopted Python
for daily automation tasks. This guide gets you started. Use Python without extensive programming knowledge Get
```

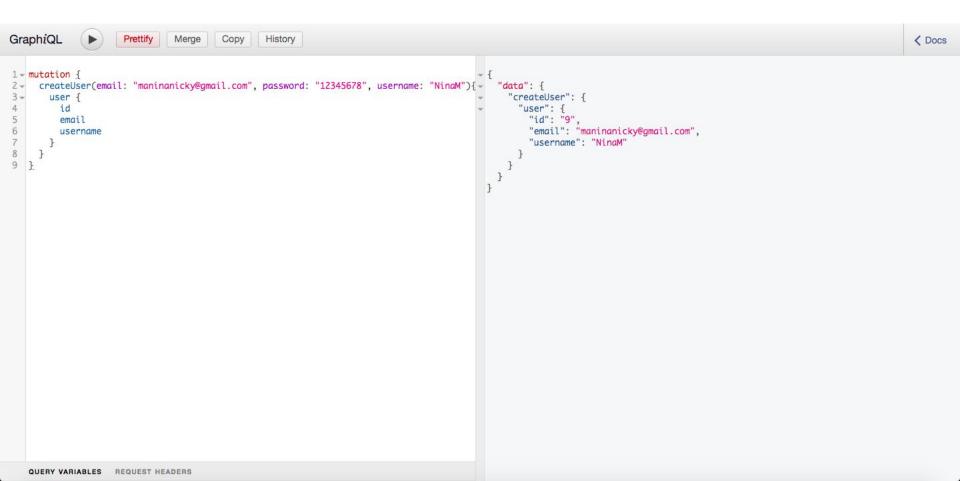
User Auth required

The main feature is that only authenticated users can perform CRUD operations on the books.

Users cannot modify other users books, but can see all the books in the list and search on them.

```
POST - http://127.0.0.1:8000/graphql/
                                                                  Send
                                                                             200 OK
                                                                                         38.2 ms
                                                                                                                                     3 Minutes Ago ▼
                                                                                                        Cookie 1
                                                                                                                      Timeline
GraphQL -
  2 createBook(author:"cool author", description: "some description",
                                                                            2- "errors": [
      url: "9599", title: "title"){
         book {
                                                                                      "message": "Login to add a book",
                                                                                      "locations": [
                                                                                         "line": 2,
                                                                                         "column": 3
           author
           createdAt
                                                                                      "path": [
                                                                                        "createBook"
                                                                                   "createBook": null
```

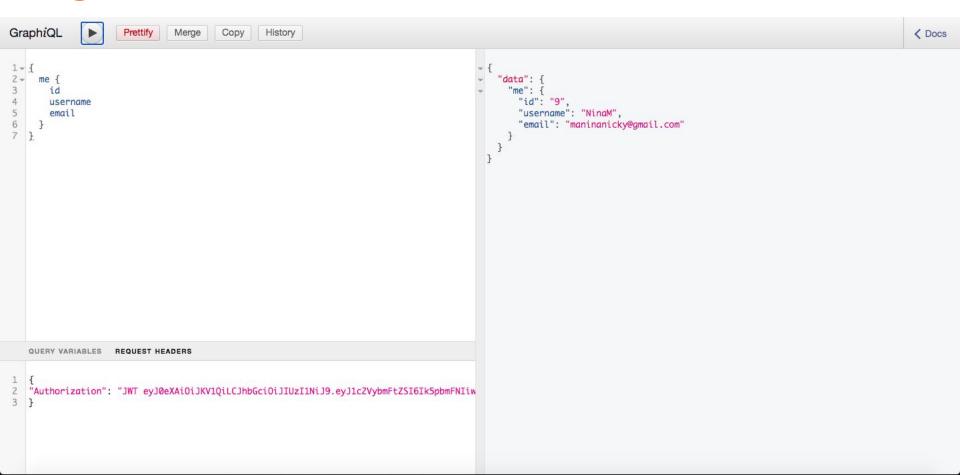
Create a New User



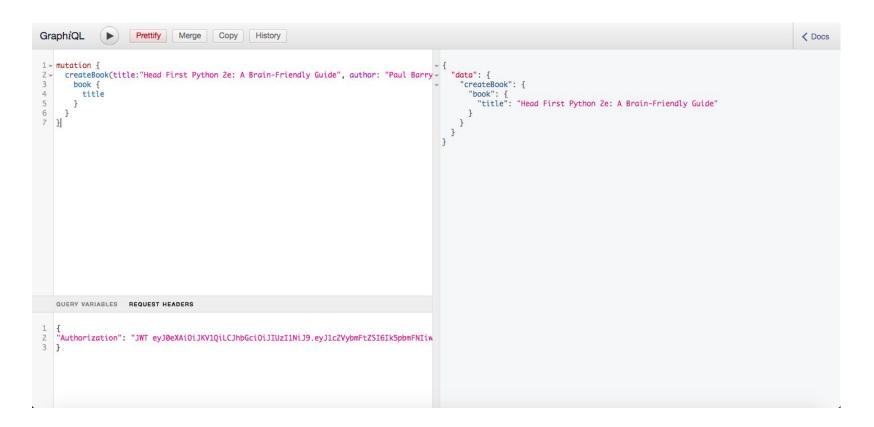
Get the Auth Token

```
GraphiQL
                     Prettify
                               Merge
                                        Copy
                                                 History
                                                                                                                                                                               < Docs
1 - mutation {
                                                                                              "data": {
     tokenAuth(username: "NinaM", password: "12345678") {
                                                                                                "tokenAuth": {
       token
                                                                                                  "token":
                                                                                            "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VybmFtZSI6Ik5pbmFNIiwiZXhwIjoxNjI5NDgzNDMZLCJv
                                                                                            cmlnSWF0IjoxNjI5NDgzMTM2fQ.QzODWkc-sZTEq00QfHqeR5IxHChzUxjA7uVd4Kj-Hjg"
   QUERY VARIABLES REQUEST HEADERS
```

Log In



Create a Book



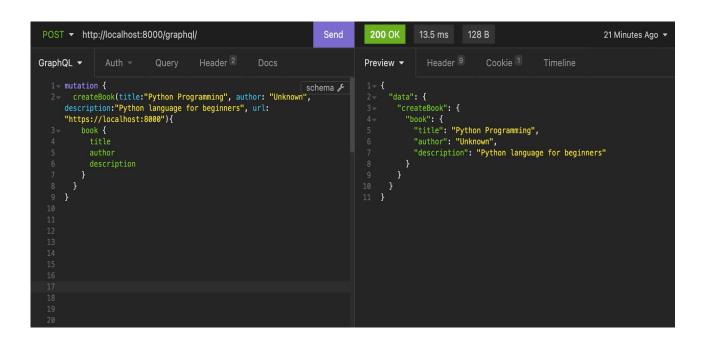
Search for a Book with key "Python"

```
1 v query{
     books(search: "python") {
        title
        author
        description
        BookType.description: String!
```

```
"data": {
    "books": [
        "id": "8".
        "title": "Python Programming",
        "author": "Unknown",
        "description": "Python language for beginners"
        "title": "Python in easy steps, 2nd Edition - covers Python 3.7",
        "author": "Mike McGrath",
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        "author": "Felix Zumstein",
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of xlwings, a popular open source package for automating Excel with Python--
shows experienced Excel users how to integrate these two worlds efficiently.
Excel has added quite a few new capabilities over the past couple of years, but
```

When user is logged in

When the user Logs in, she is able to modify her books and also delete some of her books.



Workflow -> Create a user



2. Examples

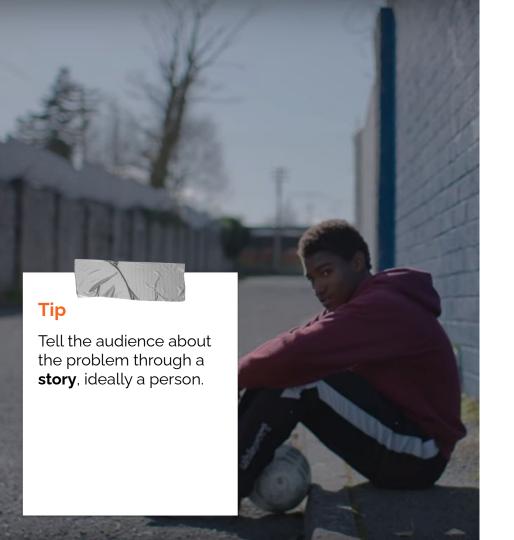
By the end of this section, your audience should be able to visualize:

→ What

What is the pain you cure with your solution?

→ Who

Show them a specific person who would benefit from your solution.



Meet Alberto.

He recently moved from Spain to a small town in Northern Ireland.

He loved soccer, but feared he had no way to talk to a coach or teammates.

Meet Marcos.

He recently opened a camera shop near the Louvre in Paris.

Visitors to his store, mostly tourists, speak many different languages making anything beyond a simple transaction a challenge.



A translation barrier left Alberto feeling lonely and hurt Marco's business.



Tip

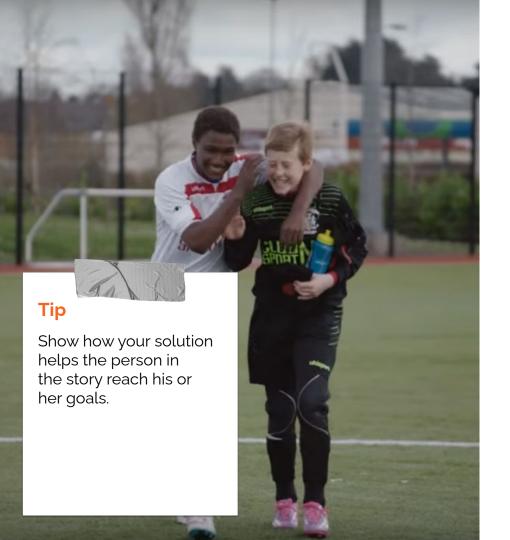
Ideally, speak of people in very different situations, but where each could benefit from your solution.

Then, Marcos discovered Google Translate

He has his visiting customers speak their camera issues into the app.

He's able to give them a friendly, personalized experience by understanding exactly what they need.





A simple gesture

Coaches Gary and Glen knew no Spanish.

They used Google Translate to invite Alberto to join in... "Do you want to play?"... "Can you defend the left side?"

From outsider to star

Alberto scored 30 goals in 21 games. He is now being scouted by several professional clubs in the Premier League. And he's a favorite of the other boys on the team.

See a short video on Alberto's story



Stories become more credible when they use concrete details such as the specific complex moves Alberto learned through Translate and his 30 goals in 21 games performance stats.



3. Examples

People need to understand how rare or frequent your examples are.

Pick 1 or 2 statistics and make them as concrete as possible. Stats are generally not sticky, but here are a few tactics:

→ Relate

Deliver data within the context of a story you've already told

→ Compare

Make big numbers digestible by putting them in the context of something familiar _

It's no surprise Marcos uses Google Translate in his shop regularly.

There are 23 officially recognized languages in the EU.



Tip

Don't let data stand alone. Always relate it back to a story you've already told, in this case, Marco's shop.

Source: theguardian.com

More than 50 million Americans travelled abroad in 2015

POPULATION OF CALIFORNIA AND TEXAS COMBINED

Tip When a number is too large or too small to easily comprehend, clarify it with a comparison to something familiar.

Source: travel.trade.gov



4. Closing

Build confidence around your product or idea by including at least one of the these slides:

→ Milestones

What has been accomplished and what might be left to tackle?

→ Testimonials

Who supports your idea (or doesn't)?

→ What's next?

How can the audience get involved or find out more?

Know a 2nd language? Make Google Translate even better by joining qiT the community.

Inspire your audience to act on the information they just learned.

Depending on your idea, this can be anything from downloading an app to joining an organization.



Good luck!

We hope you'll use these tips to go out and deliver a memorable pitch for your product or service!

For more (free) presentation tips relevant to other types of messages, go to heathbrothers.com/presentations

For more about making your ideas stick with others, check out our book!

