Babushka Story: Django Web App

http://babushkahistory.herokuapp.com

Social Web App for Reader & Author

-By Sweta Kesur

The main **purpose** of this web application is to promote this beautiful illustrative book on the story of a Russian nesting doll or BABUSHKA doll by the author Catherine Flores. This is an eCommerce website where people can buy this very illustrative book for their children or can follow all the characters of the book plus the author to get the book completely free of cost. The author of this book can handle the sales and social media pages of the book from this web application.

The intended audience of the website are parents of toddlers, adults, and illustrative book lovers. This book is specifically made for children with the age group of 4-15 years, but **any age group of people can buy this book from our website (User action)** because of the inclusion of a very deep and insightful journey of the character Babushka in the search of truth.

Setup Instructions for the local machine

Considering that you already have Django installed. Here are the steps you need to perform to make this project run on your local machine.

1. Download a few of the libraries that are required for this project: using the command in your terminal as **pip install lib-name**. Replace lib-name with the one that is needed to download: dj-database-url, Django, django-heroku, gunicorn, psycopg2, whitenoise, and facebook-sdk. Also, after installing use **pip freeze > requirements.txt** command for lib download on Heroku.
2. This web app is uploaded on a cloud server Heroku so there is no need for a database PostgreSQL setup on your local machine but still would like to mention it in the documentation.
3. Download PostgreSQL from this website: https://www.postgresql.org/download
4. Download pgadmin 4 from this website: https://www.pgadmin.org/download/ to access the PostgreSQL database
5. Add new database named babushka from pgadmin
6. Go to your project's settings.py file and modify DATABASES as

```
'default': {
        'ENGINE': 'django.db.backends.postgresql',
        'NAME': 'babushka1',
        'USER': 'postgres',
        'PASSWORD': '1234',
        'HOST': 'localhost',
}
```

7. Please replace the password value if you have kept anything other than the above-mentioned value. Previously downloaded psycopg2 is a connector or a DB adapter between Postgres and Django so when we write this command in the terminal it will automatically create a table in DB from models.py file **python manage.py makemigrations** and **python manage.py migrate**

8. After finishing all the above steps, you can check the database entries using pgadmin or can view from Django inbuilt admin panel by typing admin at the end of the root URL. But to access that you have to become a superuser. Only the author of this book can be a superuser and can be registered easily from this link http://babushkahistory.herokuapp.com/register/

Setup Instructions for Heroku

Since our web application is running on an external server, so we need to make a few changes to work on Heroku. You are not required to make these actions. If you want to host this application again using your Heroku account, then you can follow the steps.

1. You have already installed all required libraries and added them to the file requirements.txt using this command pip freeze > requirements.txt. So, Heroku will make sure to install all the libraries.

2. Like the way we have downloaded pgadmin to check the database for localhost, you can install pgweb to check Heroku's DB using this pgweb. Enter the command: brew install pgweb Once installed type the pgweb command and you will be redirected to the web browser and enter the following details to login:

   Host: ec2-52-71-217-158.compute-1.amazonaws.com

   Database: db7u5l679lps3c

   User: stqrqrokwatniu

   Port: 5432

   Password: 55521ede58ffc997542c5b92fc496ef94706c3800b23a1850823 95458ec03ab9

3. You don't have to make any changes just mentioning the changes made in Project's settings.py file to connect with the Heroku DB using these lines.

   db_from_env = dj_database_url.config(conn_max_age=600)
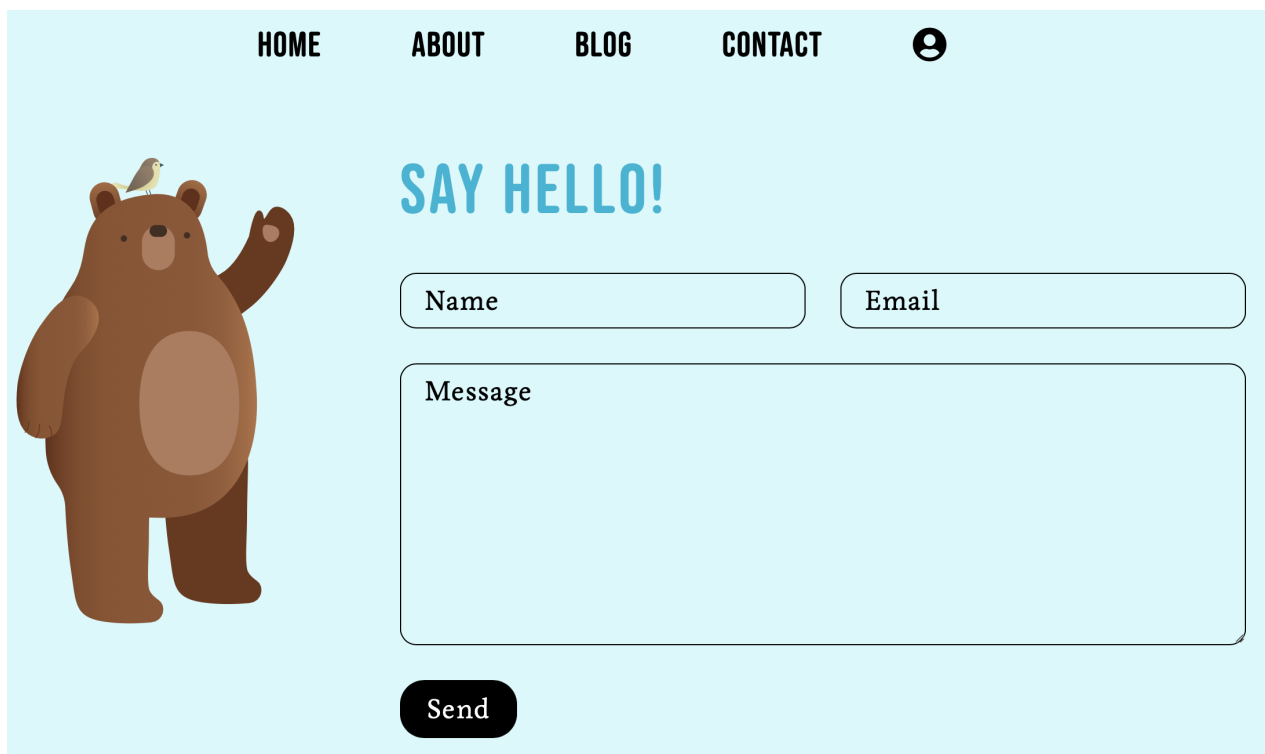   DATABASES['default'].update(db_from_env)

4. Same way as the localhost now you can use these commands to make migrations to heroku database. **heroku run python manage.py makemigrations** and **heroku run python manage.py migrate**
5. Use this command **python manage.py collectstatic** to load all your static files
6. Set the value of **Debug = False** when you run app on production

Multiple types of user accounts

There are three distinct user roles, and everyone can register themselves by visiting this page: http://babushkahistory.herokuapp.com/register/

Unregistered User: They can use Contact to send any messages to the author of this book. Also, they can comment on the Blogs of our author.

Contact Page: http://babushkahistory.herokuapp.com/contact/

Blog Page: http://babushkahistory.herokuapp.com/blog/

View Comments

Leave a Reply

| Name | Email |

Your comment

Post Comment

Registered User: All the readers of this book fall under this category, and they can register themselves from this link.
http://babushkahistory.herokuapp.com/register/

Login

Last name *

Email address *

Password *

Confirm Password *

Gender *

○ female
○ male

☐ **Are you an author?**

Register

Social Web App for Author and Reader
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Site Admin: The author of this book falls under this category, and they can register themselves from this link as the site admin. You should click the Author checkbox to register as a site admin. Admin has the facility to switch to its admin dashboard by clicking the Admin button of the navbar.
http://babushkahistory.herokuapp.com/register/

Author credentials: (ADMIN CREDENTIALS)
　　Username: catherine
　　Password: 1234

HOME   ABOUT   BLOG   CONTACT   ADMIN   MY ACCOUNT   ⮕

👤 My Account

Username	catherine

To check the list of users to follow, please click this button.

User List

Following

Add a new post

Write your experience of reading this book...

Add post

↺ Activity Log

- catherine posted "One day Babushka decides she wants to find out the meaning of life, so she sends her bodies out of the forest and into the world to search for answers."
- catherine created a new post on Dec. 3, 2021, 6:20 p.m.
- catherine posted "This is the story of one very special babushka doll and her five bodies."
- catherine created a new post on Dec. 3, 2021, 6:20 p.m.
- catherine is a registered Author.
- catherine joined on Dec. 3, 2021, 6:20 p.m.

Site admins have the authority to log in to the dashboard and can change permissions of all the users, update tables, posts, or messages from their dashboard by visiting this link
http://babushkahistory.herokuapp.com/admin/

Profile pages for all users

All the registered users can view their profiles and others by logging in to the app using this link. First, the users need to register themselves.

http://babushkahistory.herokuapp.com/register/

All the registered users can edit their profiles by visiting this page:

Edit Profile

Username	cnit
First name:	cnit
Last name:	class
Email address:	cnit@gmail.com
Gender:	female
Is author:	☑
Password:	• Your password can't be too similar to your other personal information. • Your password must contain at least 8 characters. • Your password can't be a commonly used password. • Your password can't be entirely numeric.
Password confirmation:	Enter the same password as before, for verification.

Update Profile

Reader credentials: (NON-ADMIN CREDENTIALS)
Username: sweta
Password: 1234

The username is non-editable, and all other fields are changeable.

Activity feeds

On the home page, the feed shows the logged-in user's activity plus relevant activity from followed users. Also, on the profile pages, the feed shows only that user's recent activity. There are 5 unique user actions like that is displayed on the feed:

1. Users' joining date
2. Users' registration type: Is a user an author or a reader?
3. Users' added to post content
4. Users' post added date and time
5. Users' last seen on date and time

You can see the home page once you log in to the system and can check your profile by clicking your username and following others by clicking the user list button.

This is the home page of author Catherine following Antonia reader:

My Account

Username	catherine

To check the list of users to follow, please click this button.

User List

Following

- antonia

Add a new post

Write your experience of reading this book...

Add post

Activity Log

- antonia last seen on Dec. 3, 2021, 7:18 p.m.
- antonia posted "I am Antonia, and I represent Babushka's outer appearance."
- antonia created a new post on Dec. 3, 2021, 7:18 p.m.
- catherine posted "One day Babushka decides she wants to find out the meaning of life, so she sends her bodies out of the forest and into the world to search for answers."
- catherine created a new post on Dec. 3, 2021, 6:20 p.m.
- catherine posted "This is the story of one very special babushka doll and her five bodies."
- catherine created a new post on Dec. 3, 2021, 6:20 p.m.
- antonia is a registered Reader.
- antonia joined on Dec. 3, 2021, 7:18 p.m.

Add/remove followers

This web application follows a system similar to that of Twitter so you can follow any of the profiles and check their activity on your home page as well as unfollow them to stop getting their updates. You can check the list of users to follow by clicking the User List button present on the home page of a users' account.

Necessary Credentials:

If you don't want to register, then you are free to use these credentials:

For non-admin users or readers:

      Username: sweta

      Password: 1234

For admin user or author:

      Username: catherine

      Password: 1234