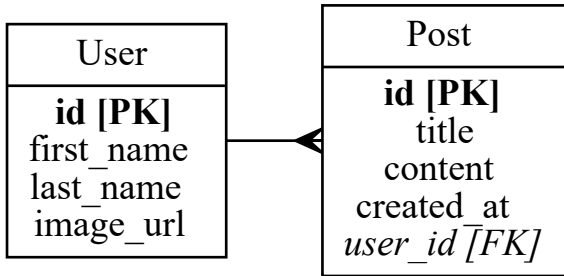


Blogly

Part Two: Adding Posts

In this part, we'll add functionality for blog posts using the one-to-many features of SQLAlchemy.

Post Model



Next, add another model, for blog posts (call it **Post**).

Post should have an:

- **id**, like for **User**
- **title**
- **content**
- **created_at** a date+time that should automatically default to the when the post is created
- a foreign key to the **User** table

User Interface

Here is what you should build:

Better User Detail



Joel Burton

Edit

Delete

Posts

- [First Post!](#)
- [Yet Another Post](#)
- [Flask Is Awesome](#)

Add Post

<_images/user-w-posts.png>

New Post Form

Add Post for Joel Burton

Title

Content

<_images/add-post.png>

Post Detail Page

First Post!

Oh, hai.

By Joel Burton

<_images/detail-post.png>

Post Edit Page

Edit Post

Title

Post Content

<_images/edit-post.png>

Add Post Routes

GET */users/[user-id]/posts/new*

Show form to add a post for that user.

POST */users/[user-id]/posts/new*

Handle add form; add post and redirect to the user detail page.

GET */posts/[post-id]*

Show a post.

Show buttons to edit and delete the post.

GET */posts/[post-id]/edit*

Show form to edit a post, and to cancel (back to user page).

POST */posts/[post-id]/edit*

Handle editing of a post. Redirect back to the post view.

POST */posts/[post-id]/delete*

Delete the post.

Change the User Page

Change the user page to show the posts for that user.

Testing

Update any broken tests and add more testing

Celebrate!

Yay! Congratulations on the first big two parts.

Parts Two Further Study

There are several possible additional tasks here.

Make a Homepage

Change the homepage to a page that shows the 5 most recent posts.

Blogly Recent Posts

Flask Is Awesome

Flask is a lovely framework for building cool things.

By Joel Burton on Sun Feb 4 2018, 11:30 AM

Yet Another Post

Here is the content.

By Joel Burton on Sun Feb 4 2018, 9:30 AM

First Post!

Oh, hai.

By Joel Burton on Sun Jan 1 2017, 10:30 AM

[<_images/homepage.png>](#)

Show Friendly Date

When listing the posts (on the post index page, the homepage, and the user detail page), show a friendly-looking version of the date, like "May 1, 2015, 10:30 AM".

Using Flash Messages for Notifications

Use the Flask “flash message” feature to notify about form errors/successful submissions.

Add a Custom “404 Error Page”

Research how to make a custom page that appears when a 404 error happens in Flask. Make such a page.

Cascade Deletion of User

If you try to delete a user that has posts, you’ll get an ***IntegrityError*** — PostgreSQL raises an error because that would leave posts without a valid ***user_id***.

When a user is deleted, the related posts should be deleted, too.

You can find help for this at [Cascades <https://docs.sqlalchemy.org/en/latest/orm/cascades.html>](https://docs.sqlalchemy.org/en/latest/orm/cascades.html) _

Part Three

[Continue to Part Three <three.html>](#)

Solution

[Our Solution for Part Two <solution/two.html>](#)