

Home Page

[<](#) [>](#) localhost:3000/

Discuss

Top Posts

Implementing Charts

By wpa 20 comments

Making an app

By Ramaz 35 comments

My project is done!

By mito 3 comments

New Topic

Topics

- [javascript](#)
- [golang](#)
- [servers](#)
- [webdev](#)

Create a Topic

[<](#) [>](#) localhost:3000

Discuss

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Create a Topic

Name

Description

New Topic

Topics

- [javascript](#)
- [golang](#)
- [servers](#)
- [webdev](#)

View a Topic

[<](#) [>](#) localhost:3000/topics/javascript

Discuss

javascript

Implementing Charts

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By mito 3 comments

Create Post

JavaScript
Here you can discuss all things javascript. Share your projects, ask questions, and help others.

Create a Post

[<](#) [>](#) localhost:3000/topics/javascript/posts/new

Discuss

javascript

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By mito 3 comments

Create a Post

Title

Content

Create Post

JavaScript
Here you can discuss all things javascript. Share your projects, ask questions, and help others.

View a Post

[<](#) [>](#) localhost:3000/topics/javascript/posts/123

Discuss

Implementing Charts

I'm trying to add a chart into my application, can anyone help me out?

All 20 comments

Marcos

Have you tried using the Chart JS library?

Reply

mito

Yes, I tried that but I've been getting errors

Reply

**User not
authenticated**

< >

localhost:3000

Discuss

Search

Sign In

Sign Up

Top Posts

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• [javascript](#)

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User is authenticated

< >

localhost:3000

Discuss

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New Topic

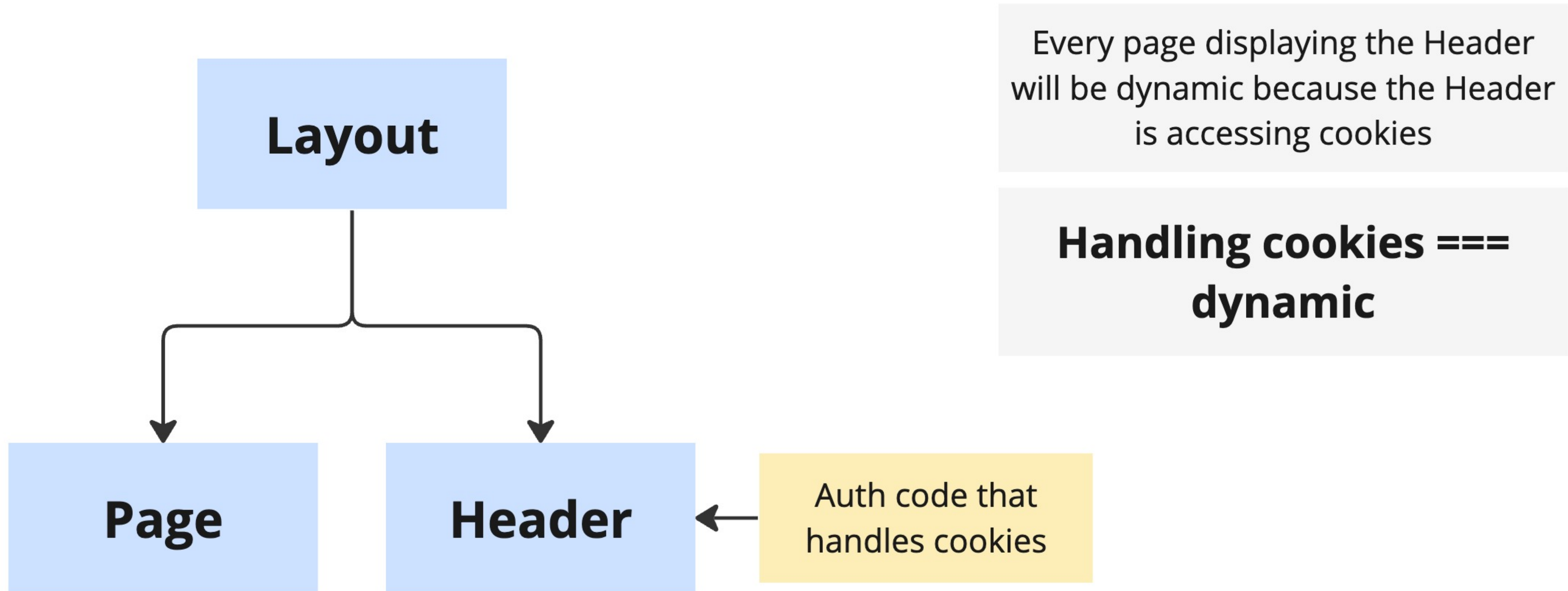
Topics

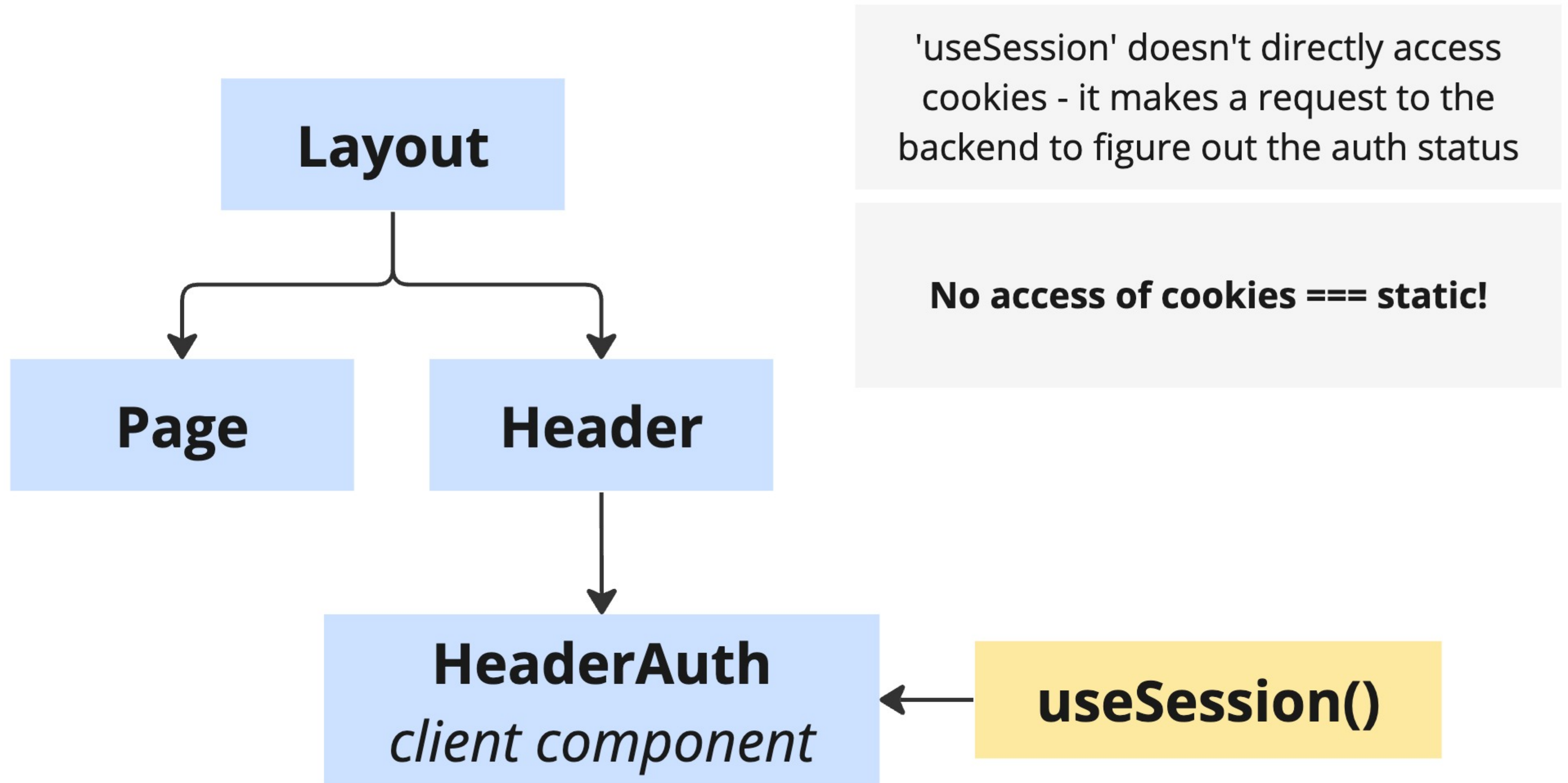
• [javascript](#)

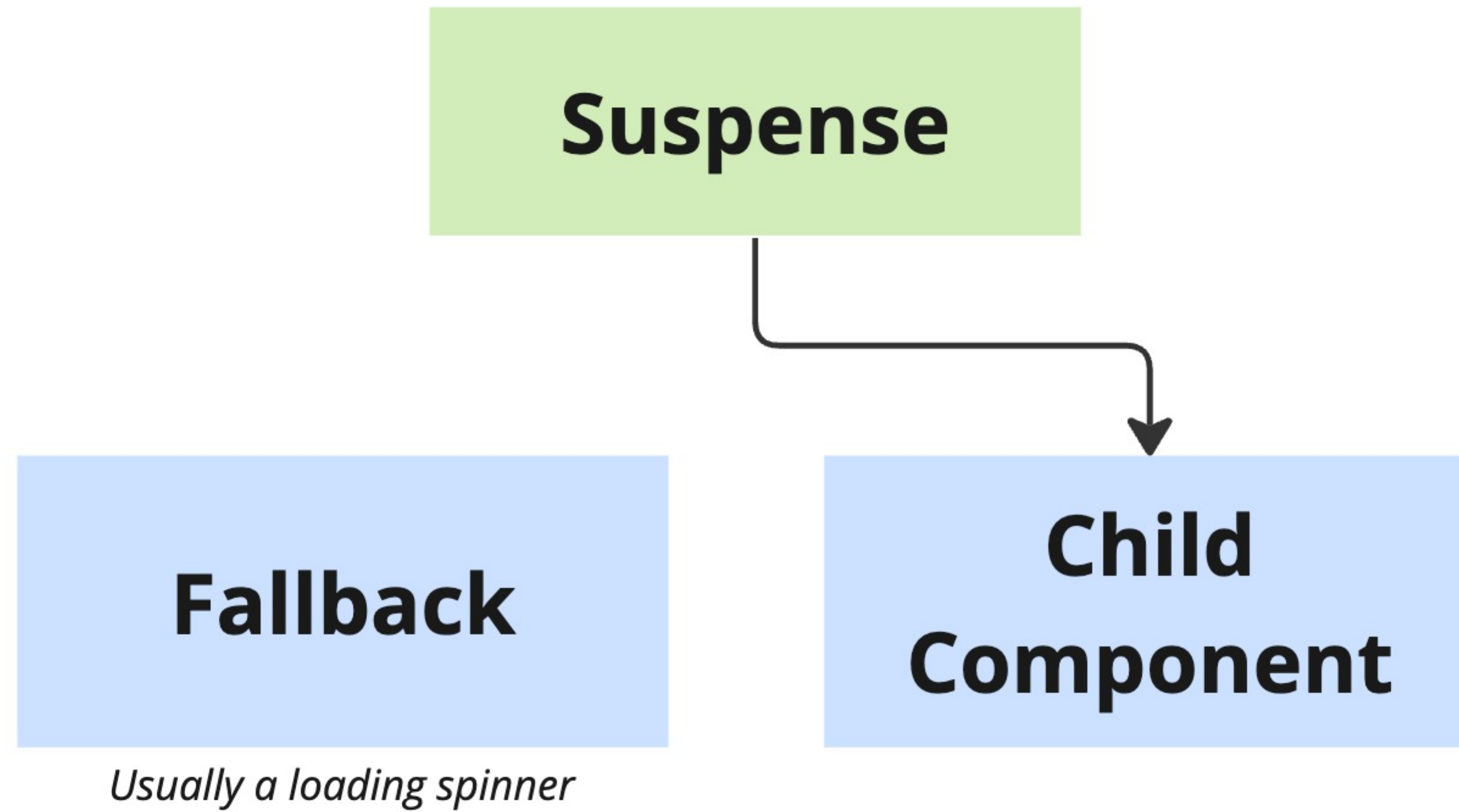
• [golang](#)

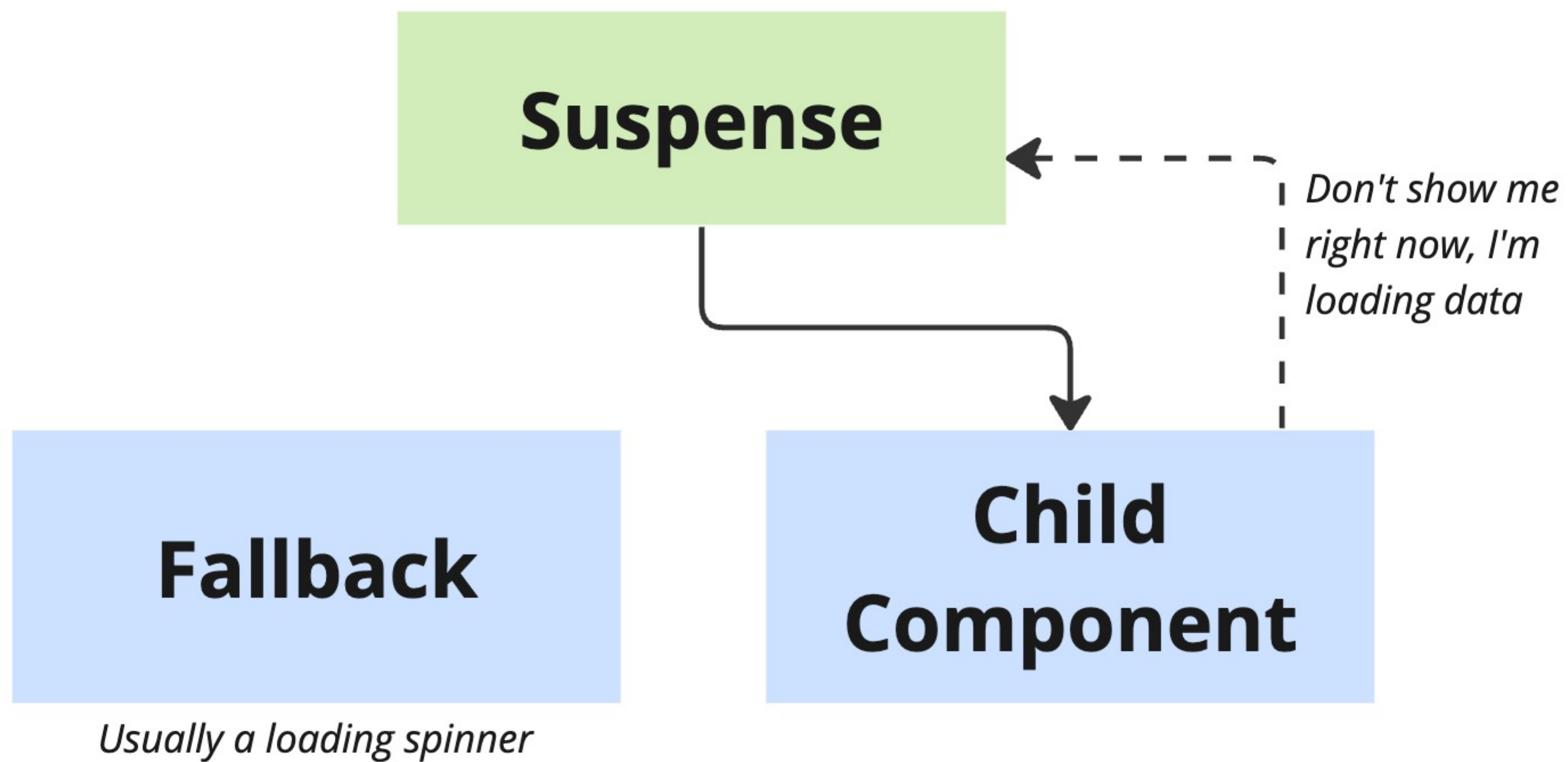
• [servers](#)

• [webdev](#)









Create a Topic

< > localhost:3000

Discuss Search Sign Up

Top Pos

Implemen
By wpa

Making an
By Ramaz

My projec
By mito 3 comments

Create a Topic

Name

Description

Submit

New Topic

Topics

- [javascript](#)
- [golang](#)
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- [webdev](#)



< > localhost:3000

Discuss Search Sign Up

Top Pos

Implemen
By wpa

Making an
By Ramaz

My projec
By mito

Create a Topic

Name

Name must be longer than 3 characters

Description

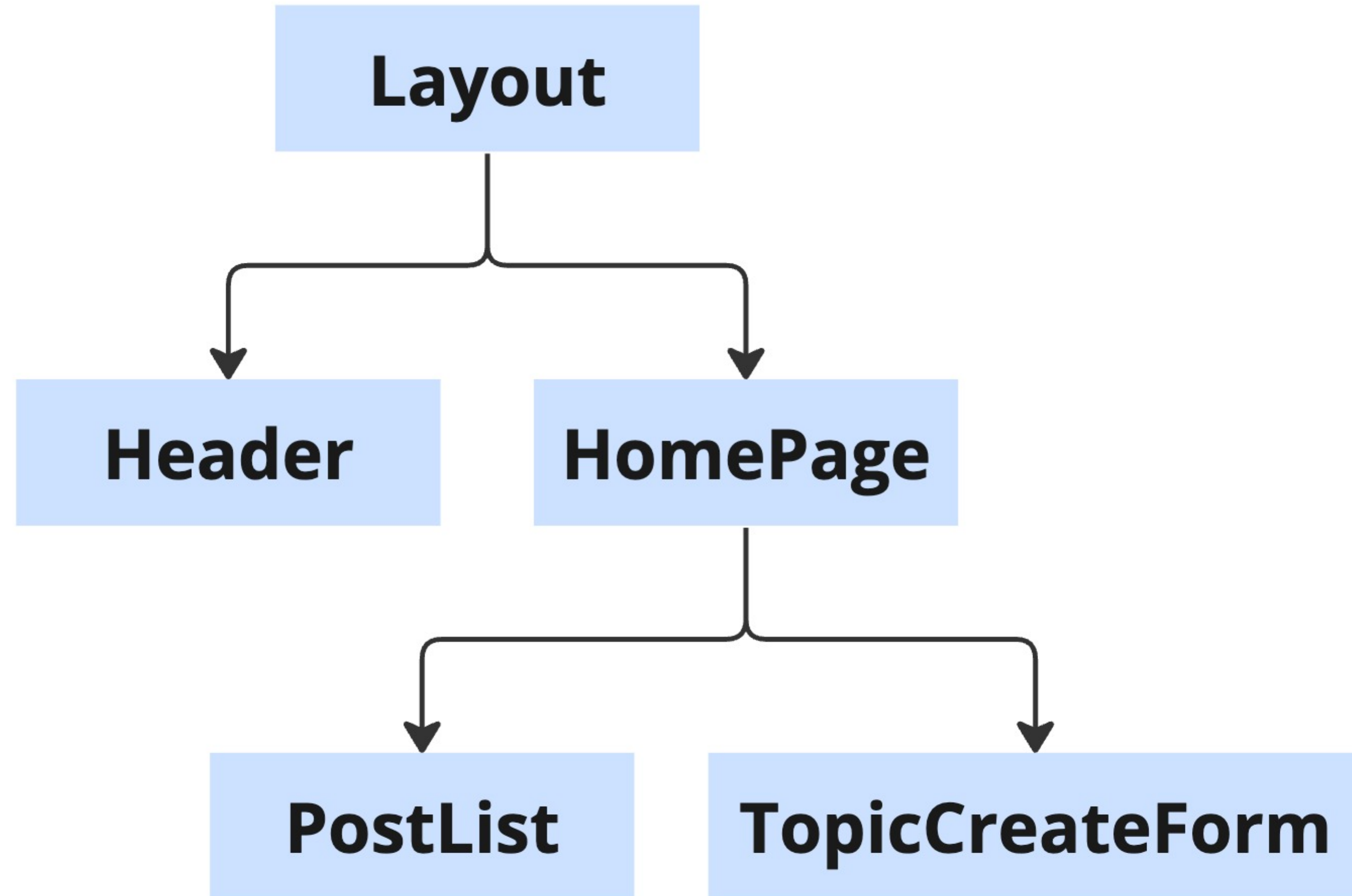
Description must be longer than 10 characters

Submit

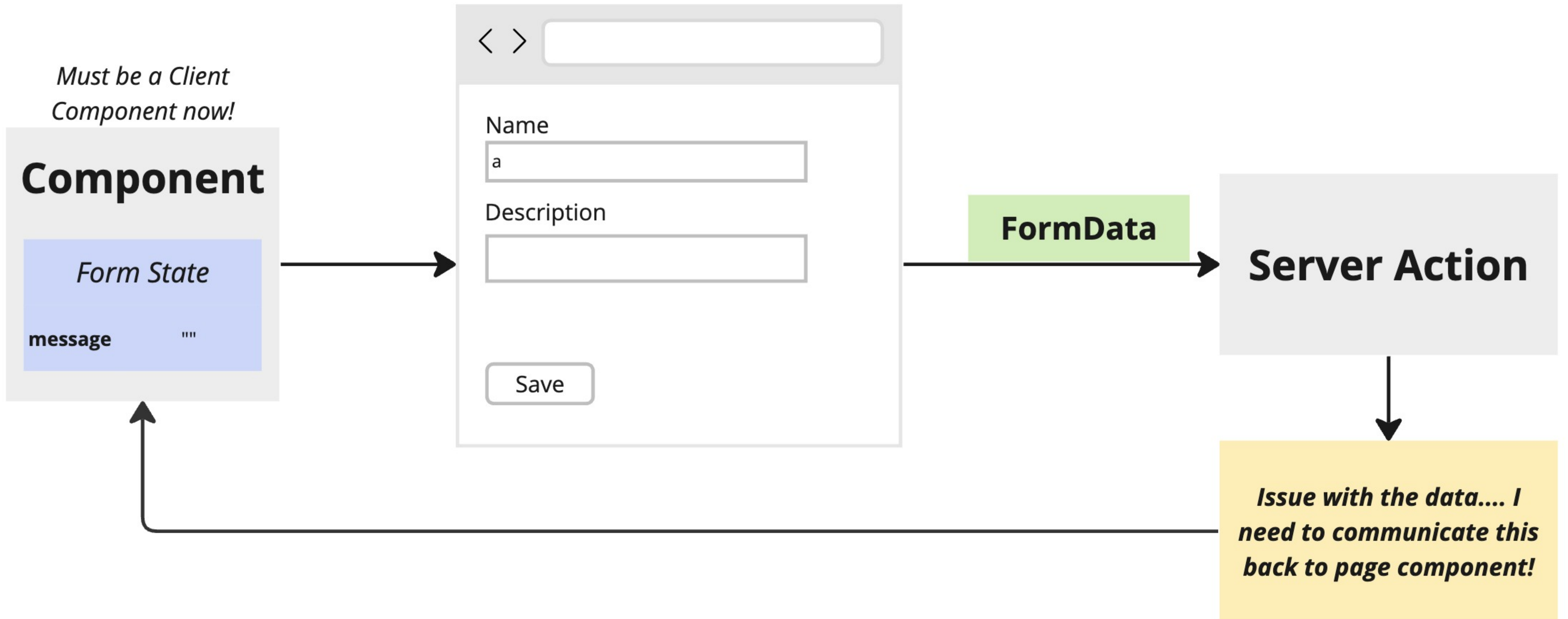
New Topic

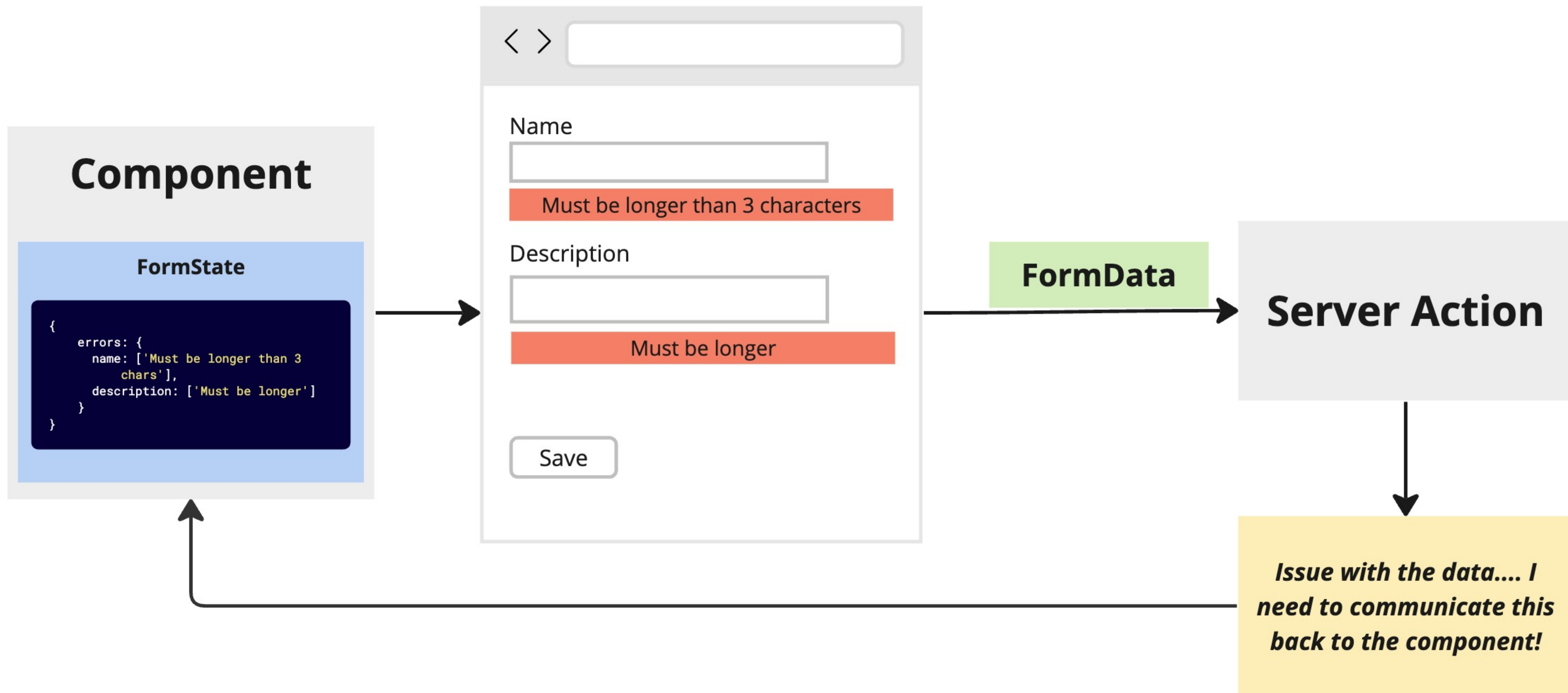
Topics

- [javascript](#)
- [golang](#)
- [servers](#)
- [webdev](#)



Reminder on useFormState





```
import { z } from 'zod';

const createTopicSchema = z.object({
  name: z.string().min(3).regex(/a-z-/),
  description: z.string().min(10)
});
```



createTopicSchema
validator

```
import { z } from 'zod';

const createTopicSchema = z.object({
  name: z.string().min(3).regex(/a-z-/),
  description: z.string().min(10)
})
```

Valid Data

```
{
  name: 'javascript',
  description: 'a place
    to talk about JS'
}
```

safeParse()

Output for Valid Data

```
{
  success: true,
  data: {
    name: 'javascript',
    description: 'a place to talk about JS'
  }
}
```

createTopicSchema
validator

Invalid Data

```
{
  name: '$',
  description: 'a'
}
```

safeParse()

Output for Invalid

```
{
  success: false,
  error: {
    issues: [
      /* object about a failed validation rule */ ,
      /* object about a failed validation rule */ ,
      /* object about a failed validation rule */
    ]
  }
}
```

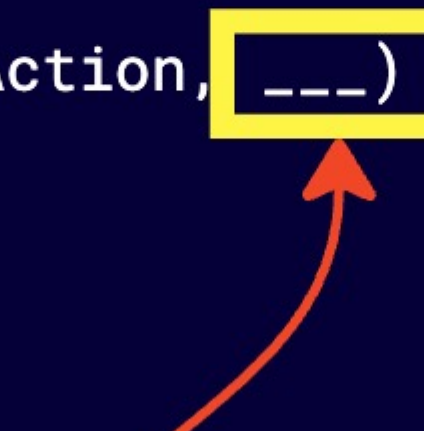

Component

```
'use client'

import { useFormState } from 'react-dom';

function Component() {
  const [formState, action] = useFormState(serverAction, ___)

  return <form action={action}>
  </form>
}
```



These types must match

Server Action

```
'use server'

async function ServerAction(formState ____, formData: FormData)
  return ____
}
```



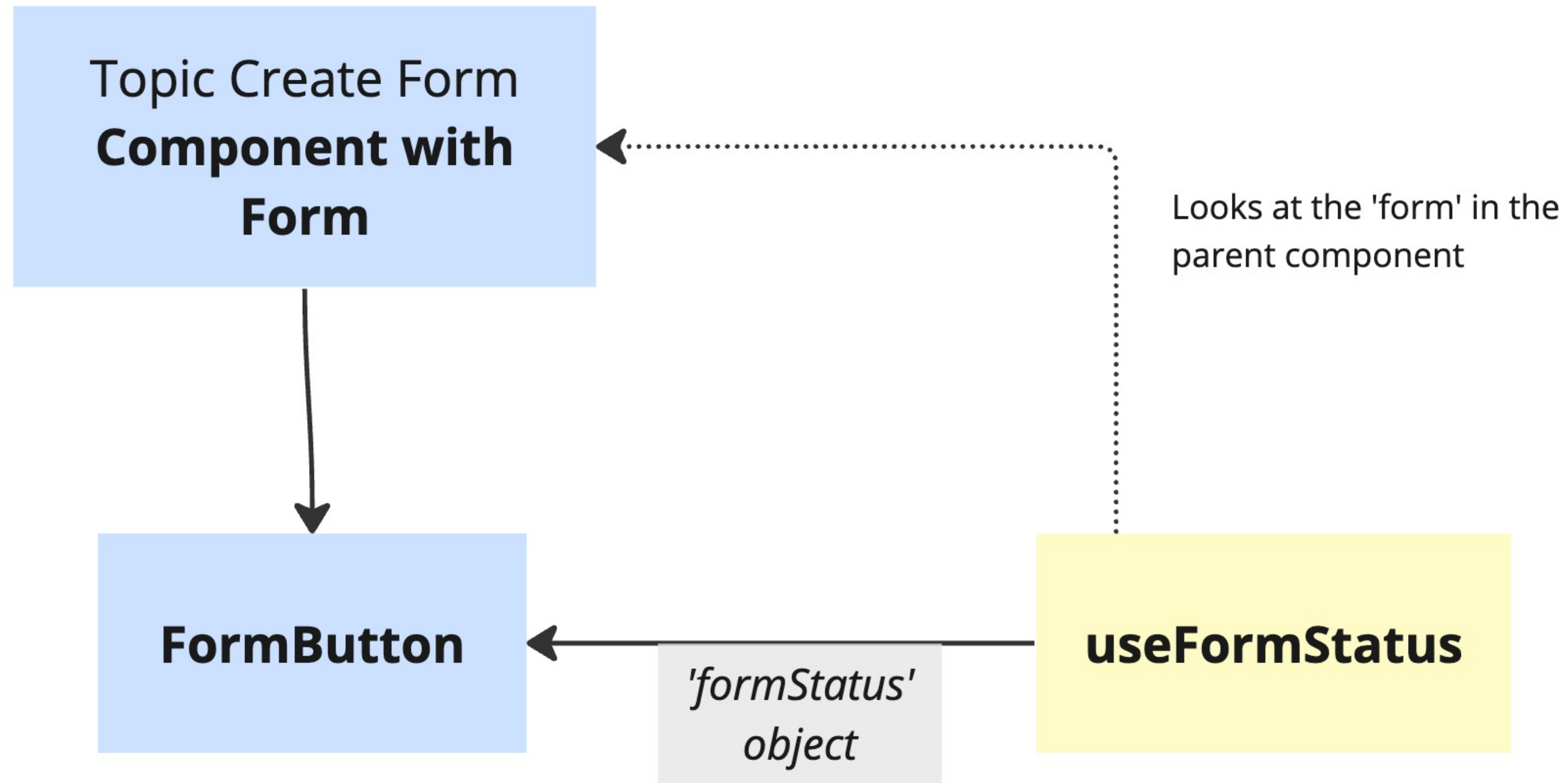


Table of Posts in Database

id	title	content	userId	topicId
1	my post	some content	789	123

Table of Topics in Database

id	slug
123	javascript
456	webdev

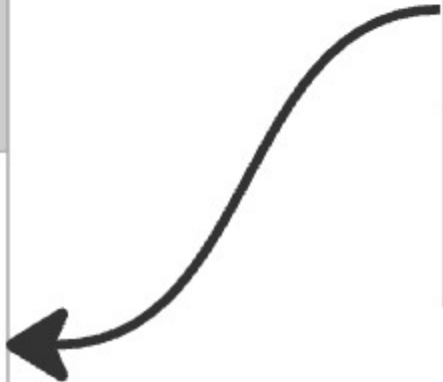
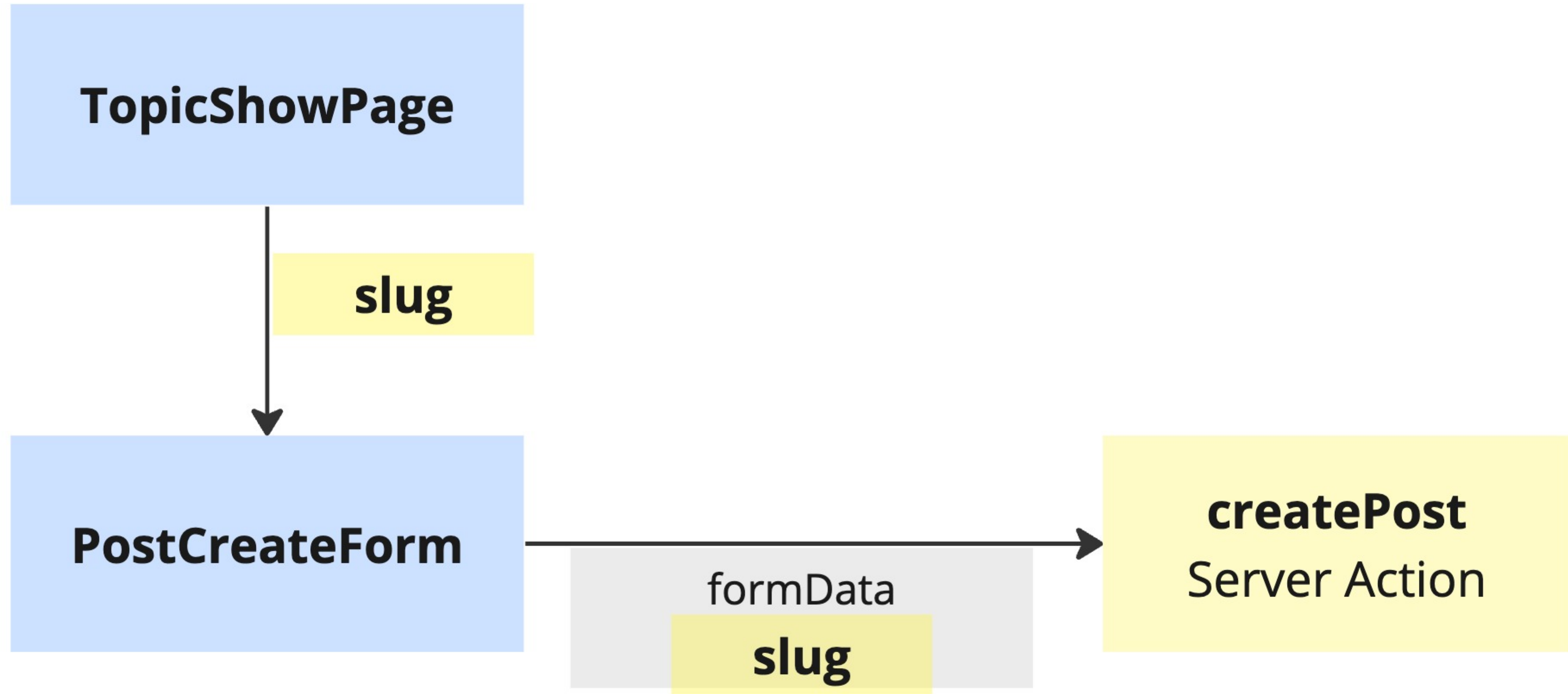
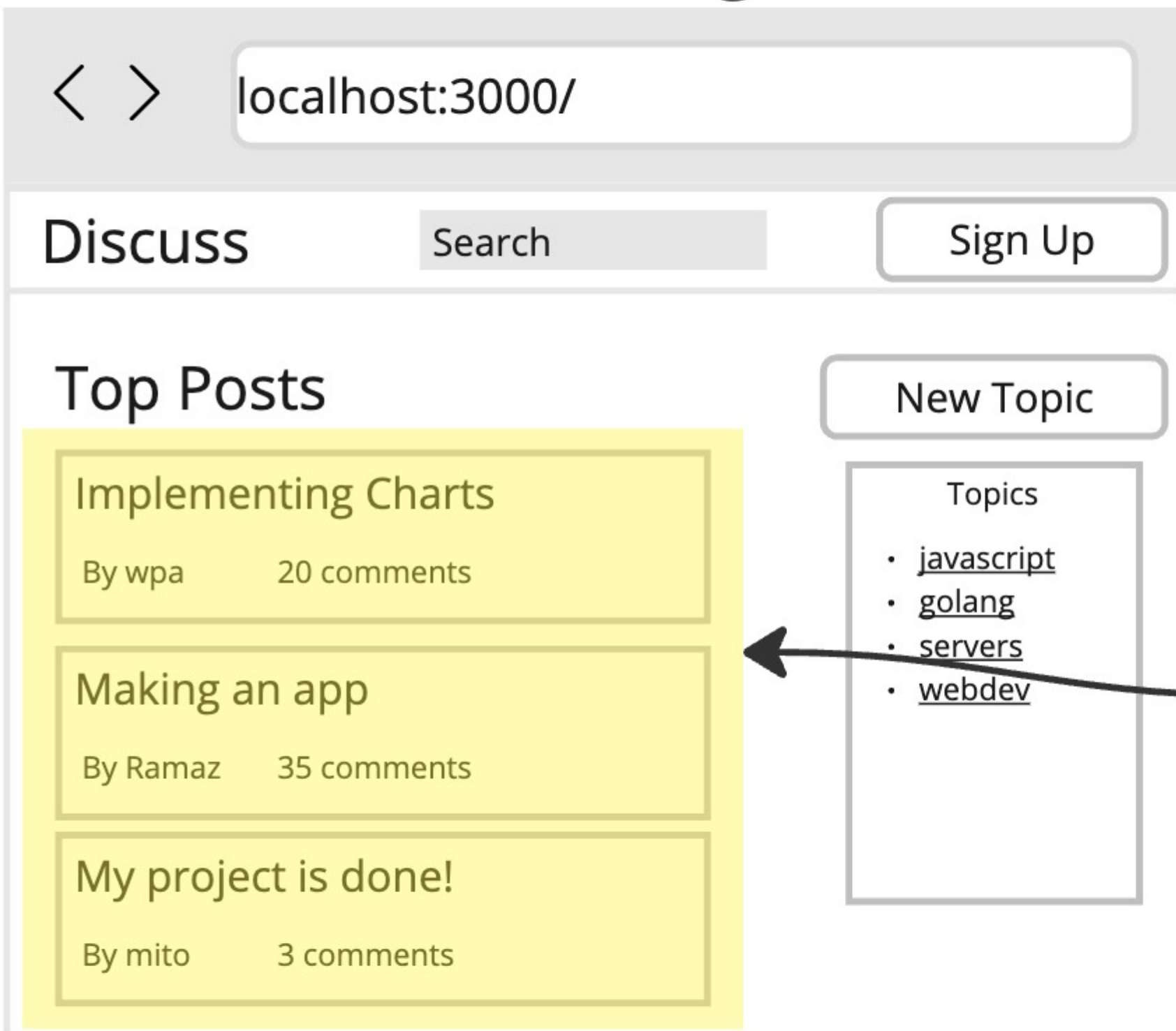


Table of Users in Database

id	email	name
789	ste.grider@gmail.com	Stephen Grider

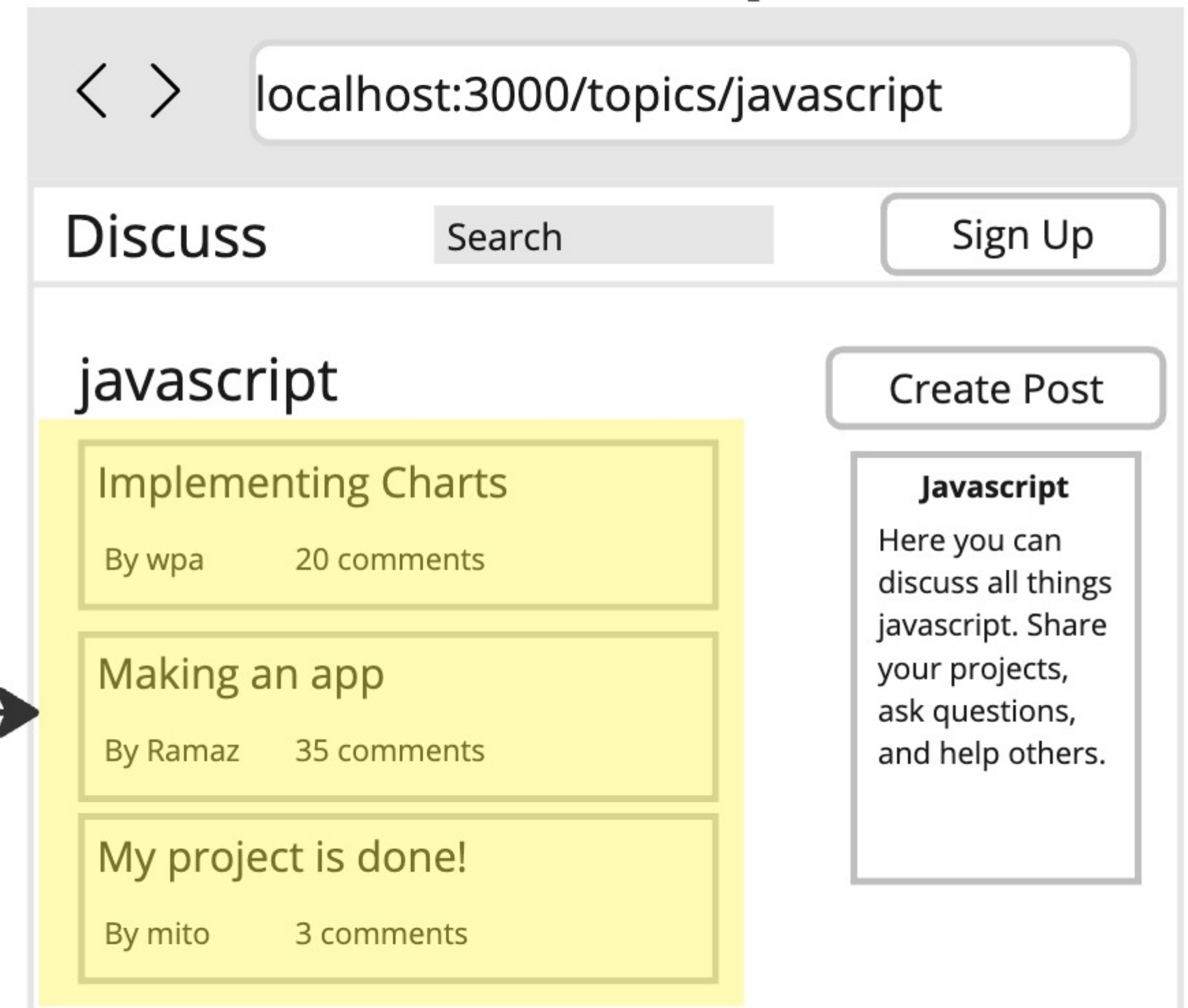


Home Page



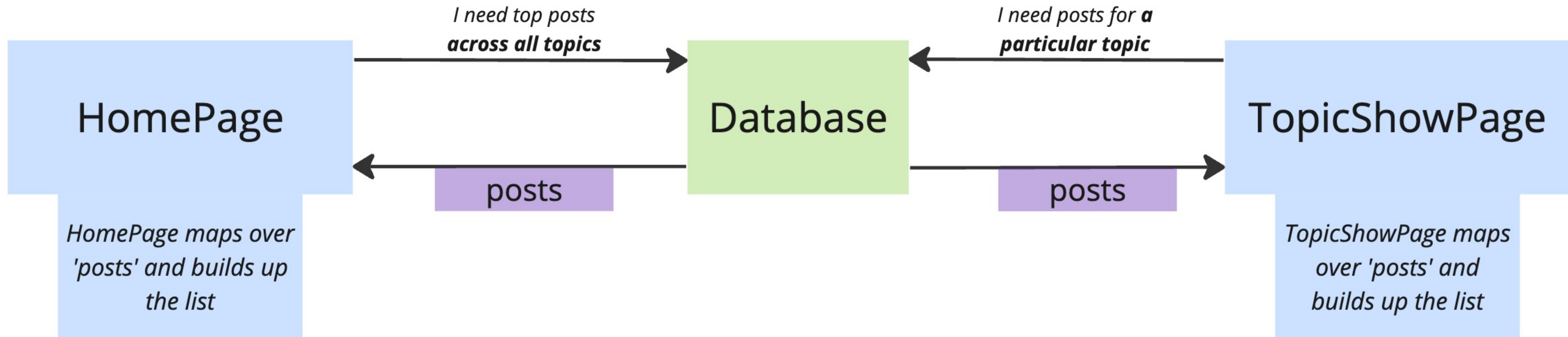
List of posts

View a Topic

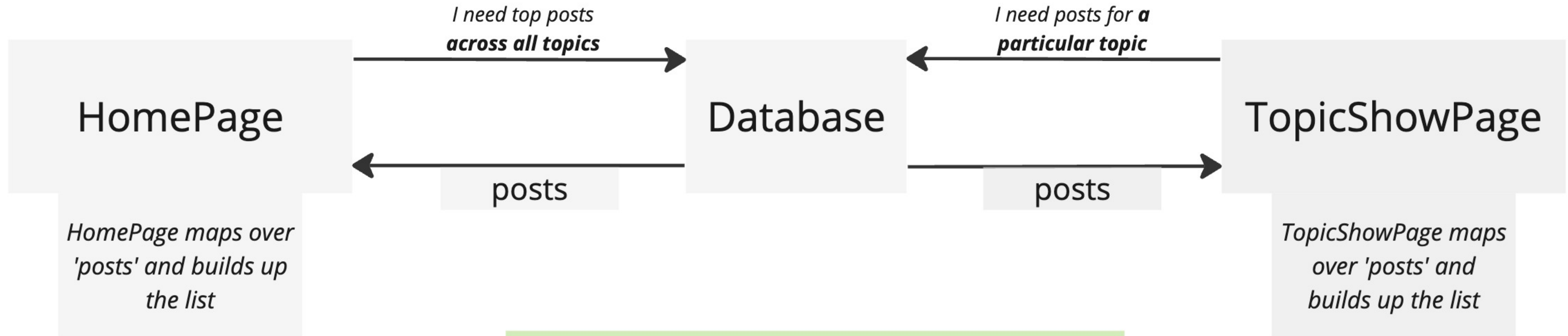


Option #1

Everything in Page
Components



Option #1 Listing Posts

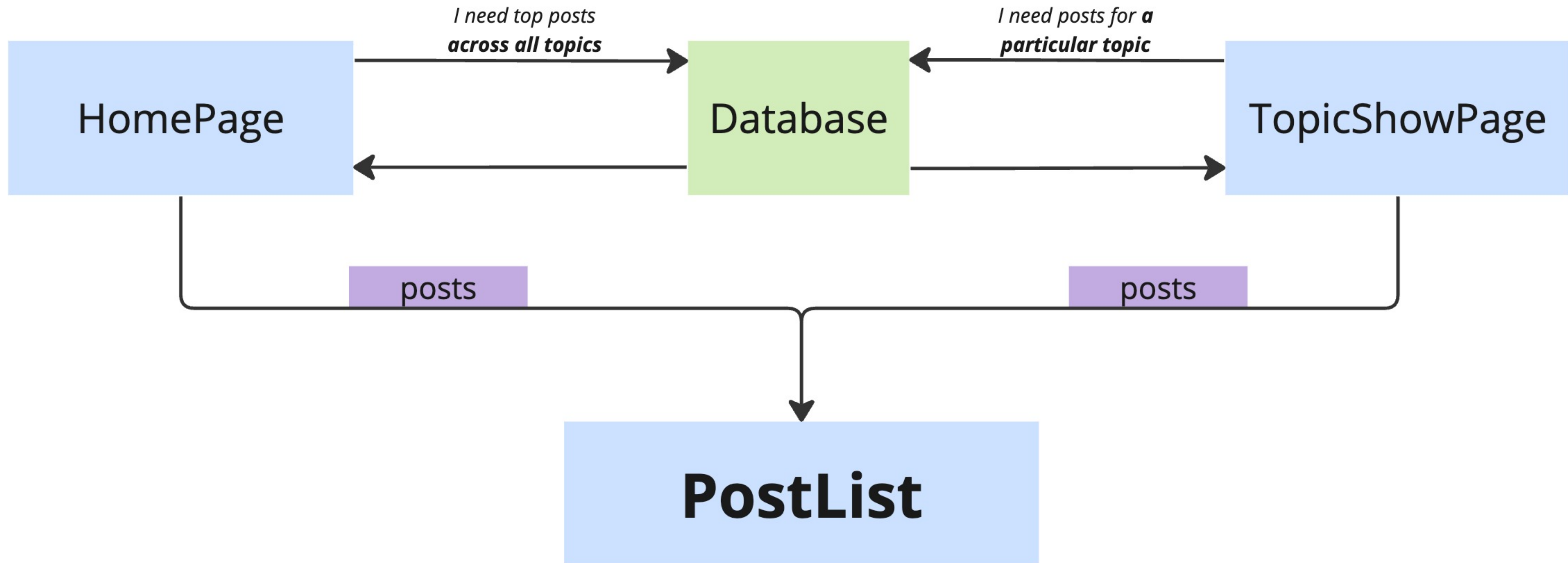


Need to change a route? Open the page file and everything is right there

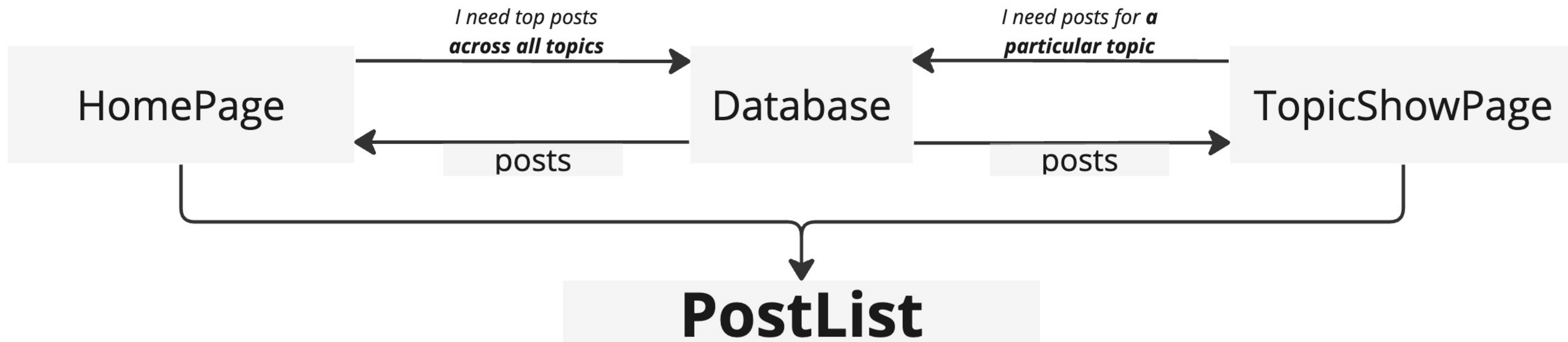
Duplicated list rendering logic.

Page file gets HUGE very quickly

Option #2
Delegate list rendering



Option #2
Delegate list rendering



Single location for rendering - easy to update styling for all lists of posts

Queries still in Page files

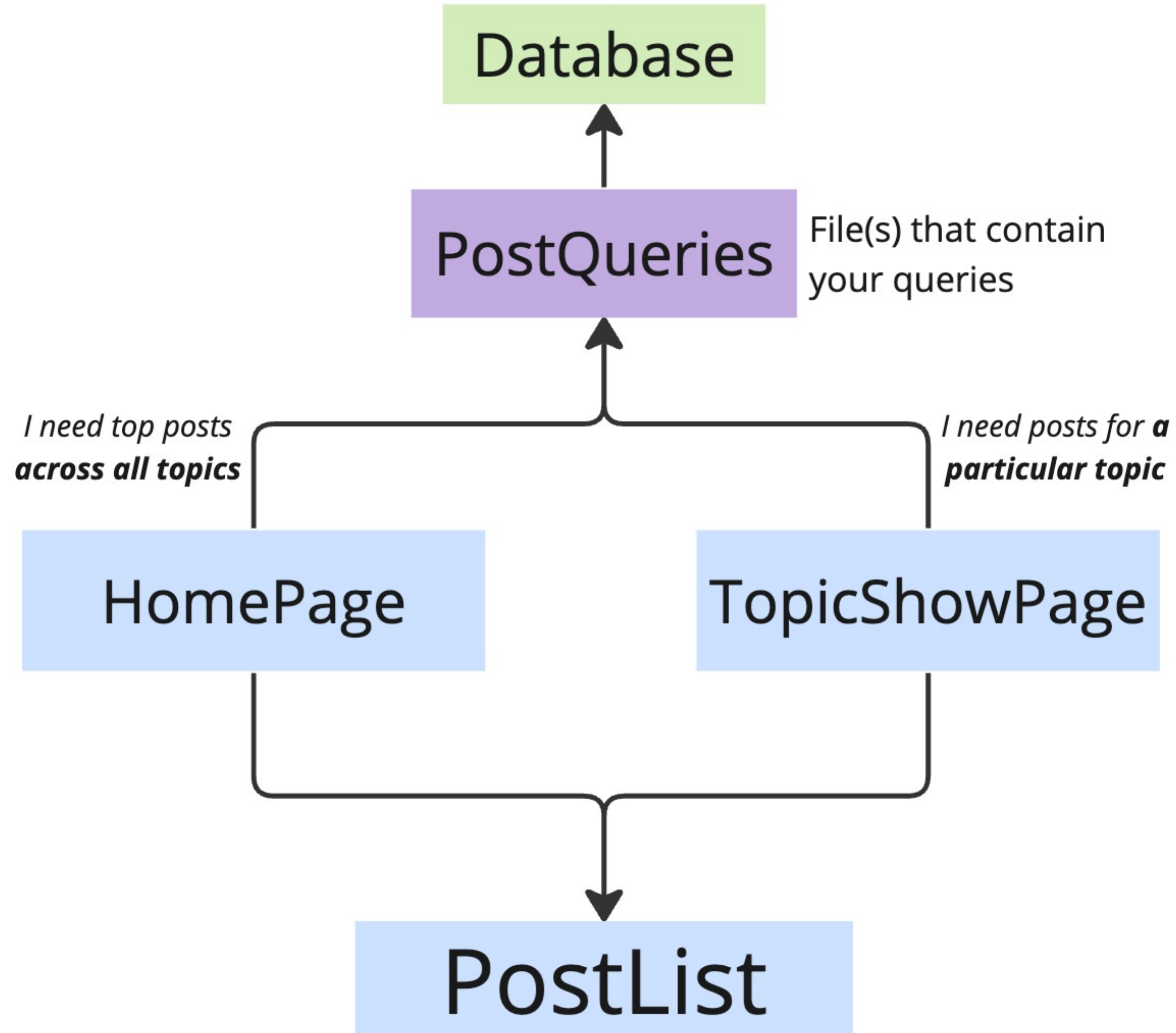

```
1  const posts = await db.post.findMany({
2    where: {
3      createdAt: {
4        gte: new Date(new Date().getTime() - 24 * 60 * 60 * 1000),
5      },
6    },
7    orderBy: [
8      {
9        comments: {
10          _count: "desc",
11        },
12      },
13    ],
14    include: {
15      topic: {
16        select: { slug: true },
17      },
18      _count: { select: { comments: true } },
19      user: {
20        select: {
21          id: true,
22          name: true,
23        },
24      },
25    },
26    take: 20,
27  });
```

Queries can get really big

**This is the query we'll write to
show top posts on the home
page**

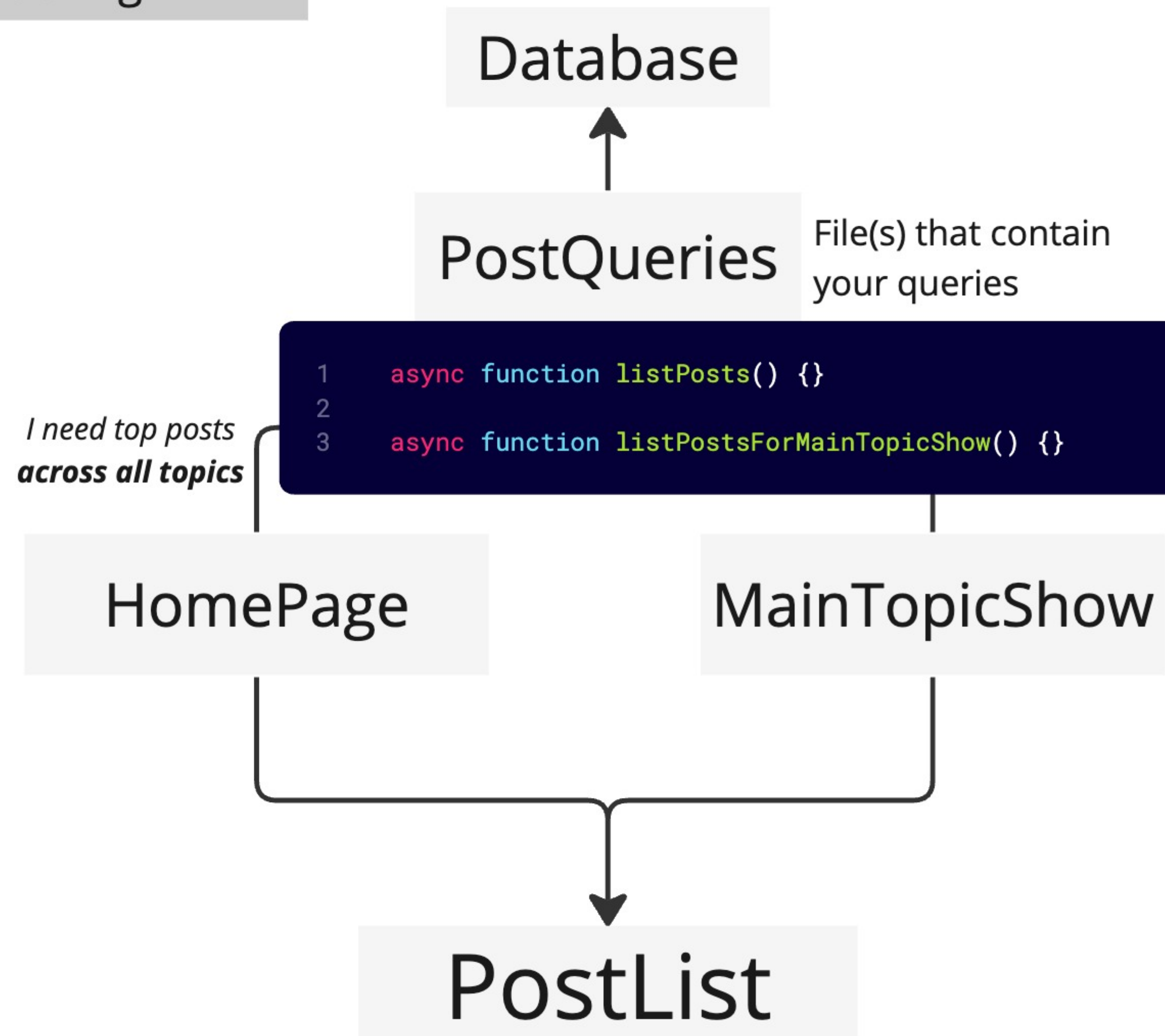
Option #3

Extract queries and list rendering



Option #3

Extract queries and list rendering



Easy to reuse queries across the app

Page files stay small

Queries often end up taking many args

Queries often end up with bad names

View a Topic



localhost:3000/topics/javascript

Discuss

Search

Sign Up

javascript

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By mito 3 comments

JavaScript

Here you can discuss all things javascript. Share your projects, ask questions, and help others.

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2	another post	more content	789	123

Table of Topics in Database

id	slug
123	javascript
456	webdev

Table of Users in Database

id	email	name
789	ste.grider@gmail.com	Stephen Grider

Table of Users in Database

id	email	name
789	ste.grider@gmail.com	Stephen Grider

View a Topic



localhost:3000/topics/javascript

Discuss

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Sign Up

javascript

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By mito 3 comments

Javascript

Here you can discuss all things javascript. Share your projects, ask questions, and help others.

Clicking on these links will take the user to
`/topics/{slug}/posts/{post.id}`

