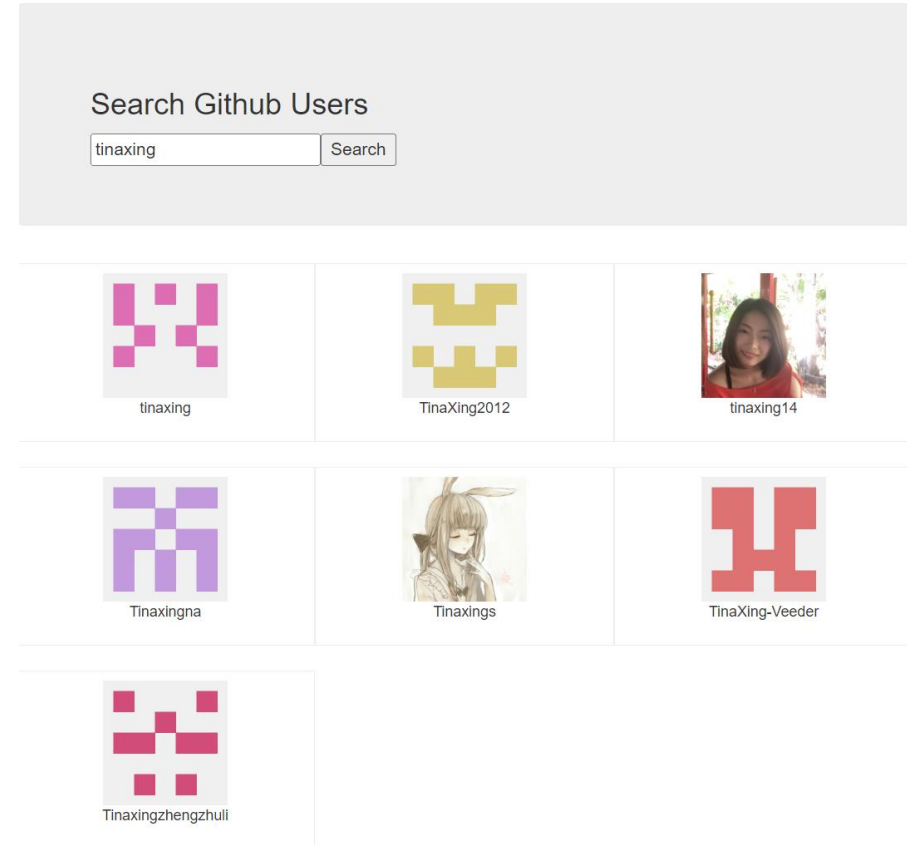


Workshop 4 - Search

Features

1. Type Search Keyword, Click “Search” button
2. It'll list all users in Github
3. If there's error, display error message



The process of CDD

1. Component Decomposition: Splitting Interfaces, Extracting Components
2. Implement Static Components: Using Components to Achieve Static Page
3. Implement dynamic Components
 - 1) Display Initial Data Dynamically
 - 1) Data type
 - 2) Data name
 - 3) Which component to save data?
 - 2) Interact with user (start from listening events)

PubSub

<https://github.com/mroderick/PubSubJS>

```
npm install pubsub-js
```

```
npm install @types/pubsub-js --save-dev
```

Search.tsx

```
const search = async () => {  
  PubSub.publish('sd545', { isFirst: false, isLoading: true });  
  try {  
    const response = await axios.get(`https://api.github.com/search/users?q=${inputRef.current?.value}`);  
    PubSub.publish('sd545', { users: response.data.items, isLoading: false, isFirst: false });  
  } catch (e: any) {  
    PubSub.publish('sd545', { isLoading: false, error: e.message, isFirst: false });  
  }  
}
```

PubSub

List.tsx

```
useEffect(() => {  
  const token = PubSub.subscribe('sd545', (msg, data) => {  
    setSearchResponse({ ...searchResponse, ...data });  
  });  
  return () => {  
    PubSub.unsubscribe(token);  
  }  
}, []);1
```