

An abstract composition on a dark gray background. It features several diagonal lines: a white line in the upper left, a light gray line in the lower left, and a bright pink line in the lower right. The word 'Substrate' is written in a bold, orange, sans-serif font, positioned between the white and light gray lines. The word 'River' is written in the same font and color, positioned between the light gray and pink lines.

Substrate

River

The background is dark gray with several diagonal lines. Two white lines are in the upper left, and two pink lines are in the lower right, all sloping upwards from left to right.

Web-UI-002

explore

<https://substrate.dev/substrate-collectables-workshop/#/4/explore>



Substrate UI

substrate-ui模板附带了许多预构建的特性。

- 1- 管理和创建密钥+帐户的**钱包**
- 2- 一个**地址簿**，以获取有关帐户的详细信息
- 3- 在帐户之间传送资金的**转移**功能
- 4- 运行时升级UX，以便轻松更新您的运行时
- 5- 一个键/值存储修改UX
- 6- 自定义事务提交者



React Components

如果你查看一下Substrate的UI代码，你会发现它是由React组件组成的，每个组件都有自己的用途。如前所述，Substrate UI带有一组预构建的特性，您可以在src文件夹中找到支持这些特性的组件。

所有这些组件都放在src/app.jsx文件。



Reading Our Runtime

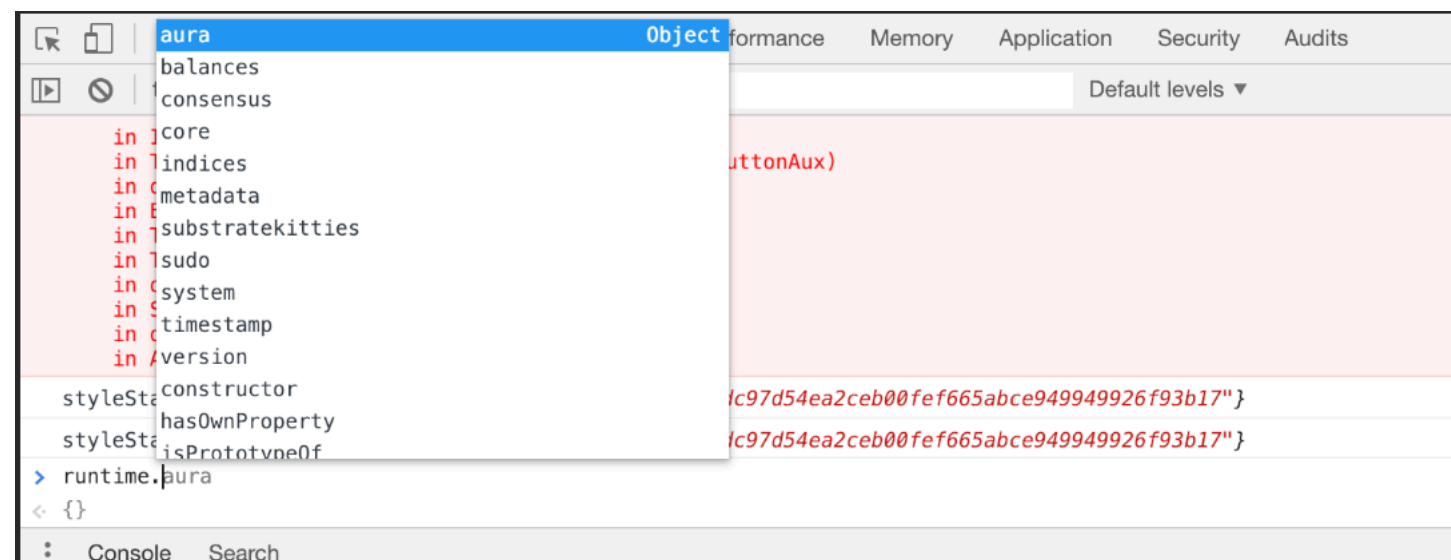
你可以看到Substrate UI可以访问我们的区块链。更令人印象深刻的是，它已经知道您创建的新模块，以及添加到该模块的特性和功能。



browser's console

F12

Inspect Element





测试命令

```
> runtime.substratekitties.allKittiesCount.then(console.log)
```

8

```
> runtime.substratekitties.allKittiesArray(0).then(console.log)
```

Hash(32) [58, 60, 214, 1, 126, 230, 54, 236, 38, 35, 250, 236, 81, 248, 64, 83, 234, 152, 174, 39, 128, 61, 74, 136, 74, 38, 206, 48]

```
> runtime.substratekitties.allKittiesArray(7).then(console.log)
```

Hash(32) [162, 202, 153, 236, 47, 9, 134, 176, 171, 201, 222, 149, 39, 69, 7, 46, 241, 155, 195, 52, 24, 130, 50, 252, 36, 126, 209, 153, 38]



在UI中使用Runtime变量

```
<Pretty value={runtime.substratekitties.allKittiesCount}/>
```

转变成

```
<span>8</span>
```



You Turn!

更新0值以表示在运行时跟踪的kitty的当前数量。
然后添加一些kitty使用Polkadot用户界面和确认值是自动更新。

<Header.Subheader>There are 0 kitties purring.</Header.Subheader>



Substrate

River

Thanks