Chapter 26: How and why to use keys in React

Whenever you are rendering a list of React components, each component needs to have a key attribute. The key can be any value, but it does need to be unique to that list.

When React has to render changes on a list of items, React just iterates over both lists of children at the same time and generates a mutation whenever there's a difference. If there are no keys set for the children, React scans each child. Otherwise, React compares the keys to know which were added or removed from the list

Section 26.1: Basic Example

For a class-less React component:

For this example, the above component resolves to:

```
key='cat'>cat
dog
rat
```