A Dynamic **Card** in React Bootstrap - Part 2

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Abstract

The Nakamoto-simulator dynamic card component uses a number of interesting features from React-bootstrap. This dynamic card uses the *useState* function from *React hooks*.

1 A dynamic card design

Listing 1 shows a basic React hook useState. The hook useState remembers state through the life of the function DynamicCardCollapsible.

```
1  export default function DynamicCardCollapsible ({ props }) {
2
3  const [open, setOpen] = useState(false);
4  const myList =  Object.entries(props);
5  const firstThree = myList.slice(0, 3);
6  const theRest = myList.slice(3);
7
8  return (
9
10   <div className="card custom-card border-primary mb-3">
11   <Card style={{ maxWidth: "700px", margin: "auto" }}
12     className="container ms-0" >
13     <Card.Body>
14       <Card.Title><h3>{props['card_title']}</h3>
15   </Card.Title>
16       <ul className="list-group list-group-flus no-bullets">
17         <li className="list-group-item text-primary">
```

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```
18              <Button
19                onClick={() => setOpen(!open)}
20                aria-controls="collapse-text"
21                aria-expanded={open}
22                className="mb-2"
23                >
24                <h6>{open ? "Hash: " + props['hash'] :
25                        "Hash tail: " + props['hash'].slice(-20) }
26          </h6>
27              </Button>
28
29          <...>
30        );
31 };
```

Listing 1: Dynamic card

References

[1] Ryan J. Blake: *Mastering Bootstrap 5*, Beginners Handbook, 2024.

[2] React Bootstrap: *React Bootstrap Cards*,
    https://react-bootstrap.netlify.app/docs/components/cards/ , Accessed: 2025-03-
    15.