

Auction pages

- Auction site has three different “pages”

Current Auctions

- Oak Cabinet ends in 10 min
- Red Couch ends in 15 min
- Blue Bicycle

New

Oak Cabinet

A beautiful solid oak cabinet. Perfect for any bedroom. Dimensions are 42” x 60”.

Current Bid: \$250

Name

Fred

Bid

251

Submit

New Auction

Name

Bob

Item

Table Lamp

...

App component needs to show one of these components.

Must keep track of which one we are currently showing.

Auction App.tsx – Pages

```
type Page = {kind: "list"}  
           | {kind: "new"}  
           | {kind: "details", name: string};
```

```
type AppState = {page: Page};
```

- Page is an inductive data type:

```
type Page := list | new | details(name: S*)
```

- App keeps track of the current page
- note that "details" has an argument (which auction's details)

Auction App.tsx – Rendering Pages

```
type Page = {kind: "list"}
           | {kind: "new"}
           | {kind: "details", name: string};

type AppState = {page: Page};

class App extends Component<{}, AppState> {
  render = (): JSX.Element => {
    if (this.state.page.kind === "list") {
      return <AuctionList/>;
    } else if (this.state.page.kind === "new") {
      return <NewAuction/>;
    } else {
      return <AuctionDetails
                name={this.state.page.name}/>;
    }
  };
};
```