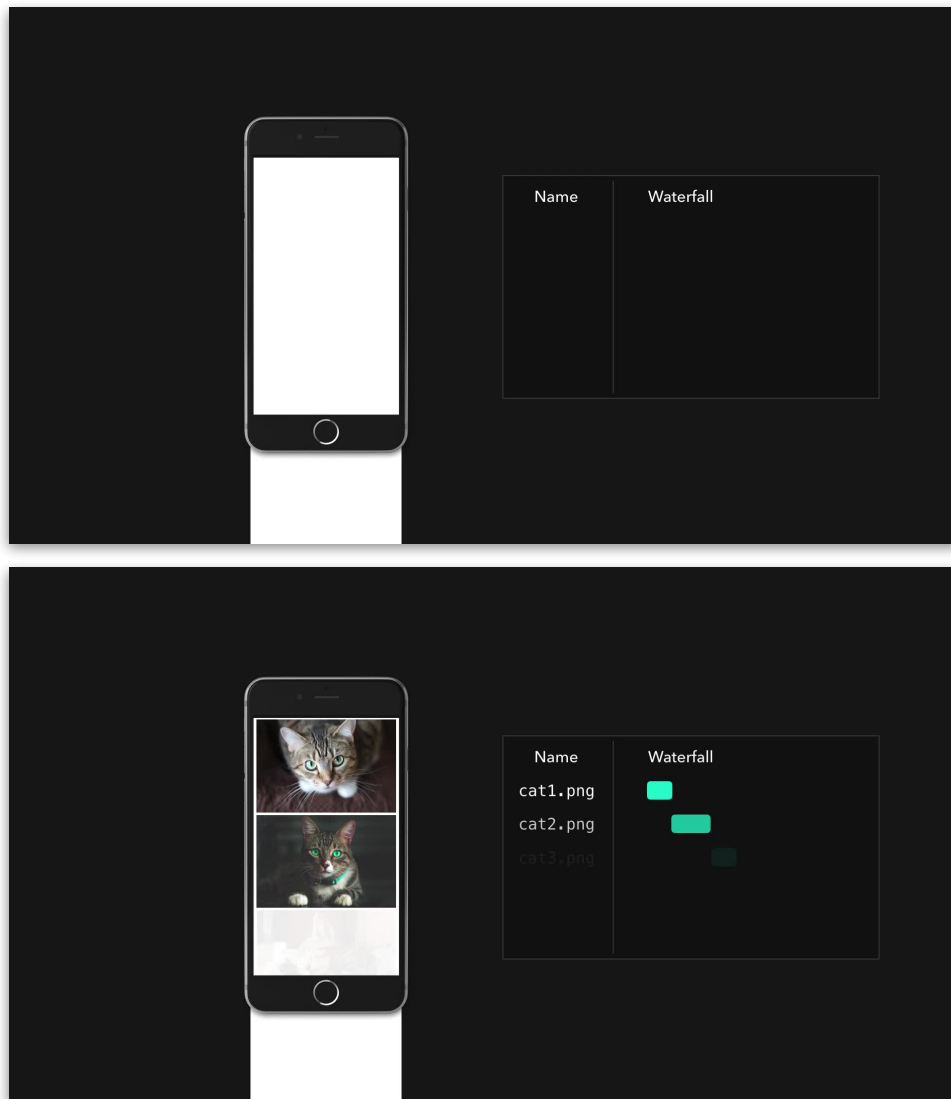
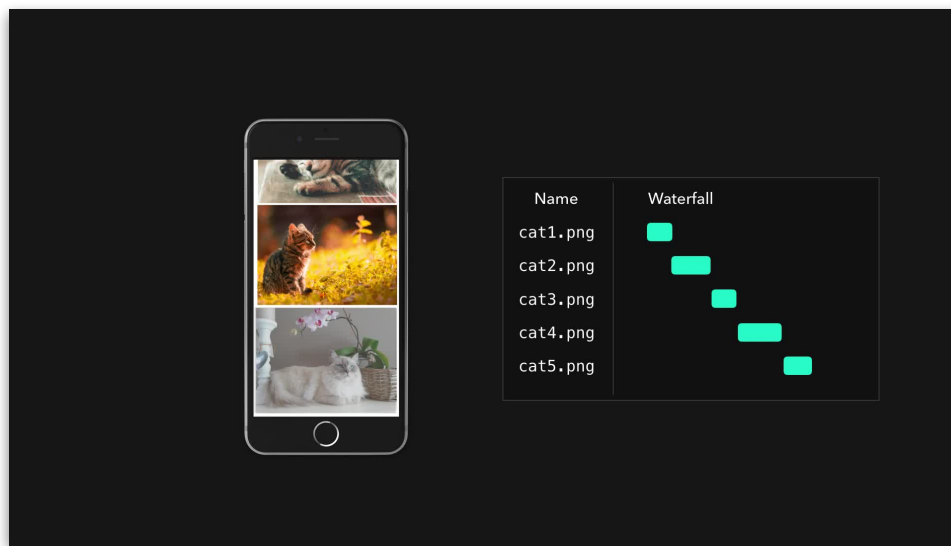
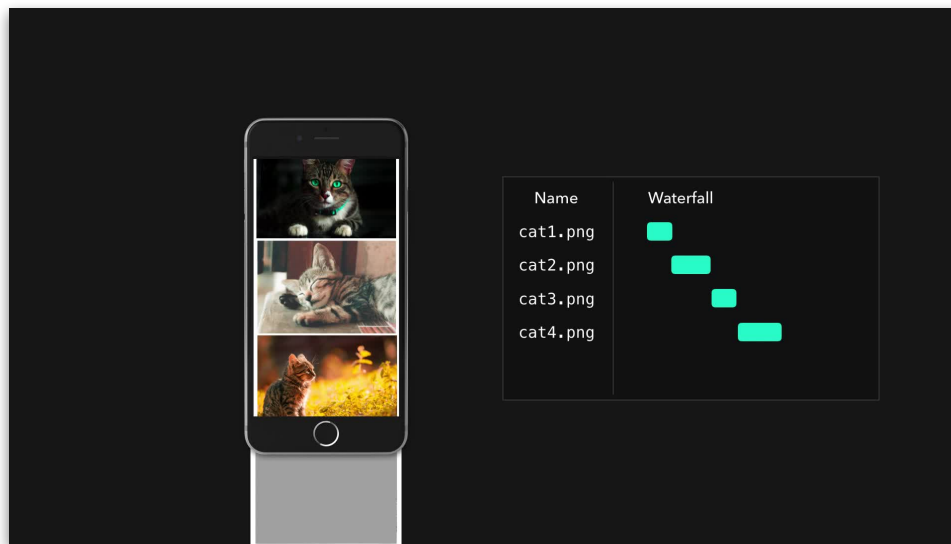


# Import on Visibility

Load non-critical components when they are visible in the viewport

Besides user interaction, we often have components that aren't visible on the initial page. A good example of this is lazy loading images that aren't directly visible in the viewport, but only get loaded once the user scrolls.





As we're not requesting all images instantly, we can reduce the initial loading time. We can do the same with components! In order to know whether components are currently in our viewport, we can use the `IntersectionObserver` API, or use libraries such as `react-lazyload` or `react-loadable-visibility` to quickly add import on visibility to our application.

```

import React from "react";
import Send from "../icons/Send";
import Emoji from "../icons/Emoji";
import LoadableVisibility from "react-loadable-visibility/react-loadable";

const EmojiPicker = LoadableVisibility({
  loader: () => import("../EmojiPicker"),
  loading: <p id="loading">Loading</p>
});

const ChatInput = () => {
  const [pickerOpen, togglePicker] = React.useReducer(state => !state, false);

  return (
    <div className="chat-input-container">
      <input type="text" placeholder="Type a message..." />
      <Emoji onClick={togglePicker} />
      {pickerOpen && <EmojiPicker />}
      <Send />
    </div>
  );
};

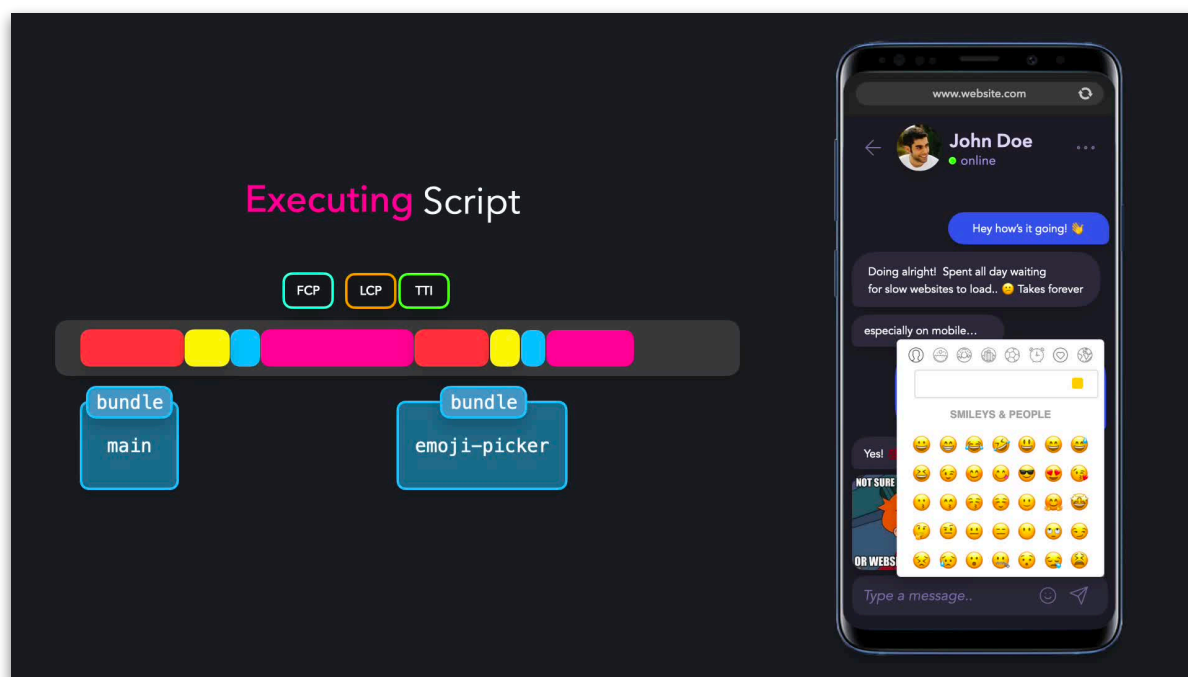
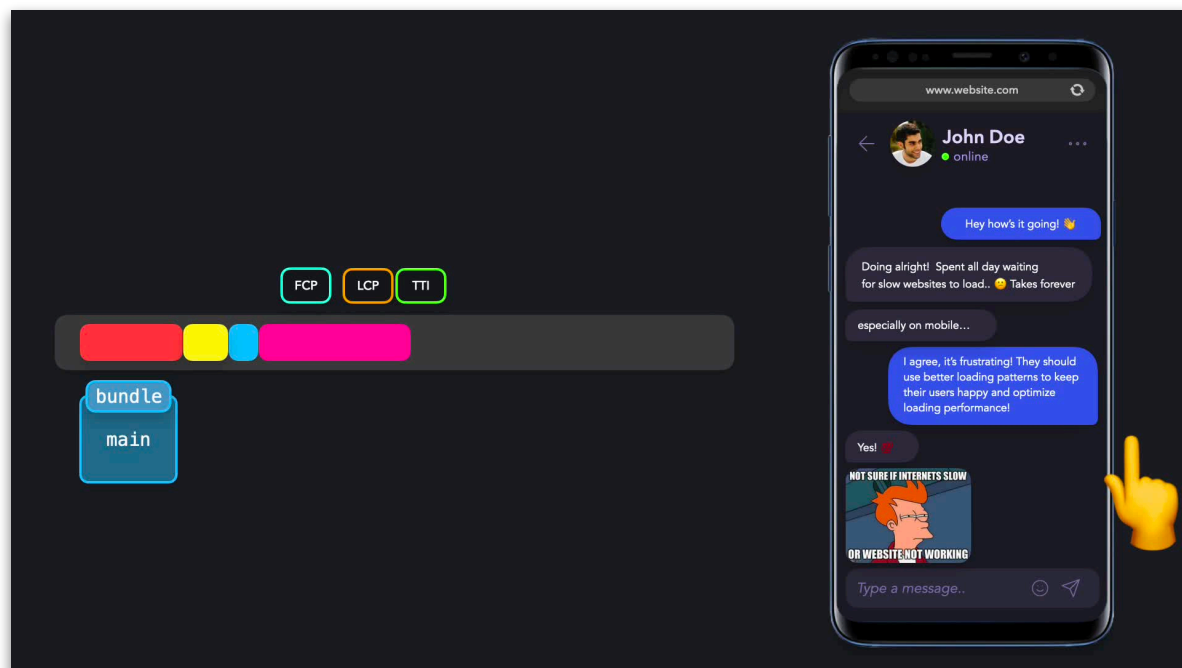
console.log("ChatInput loading", Date.now());

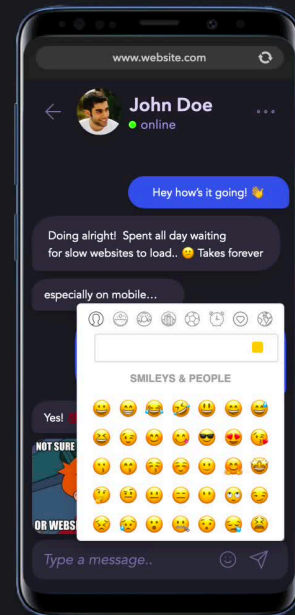
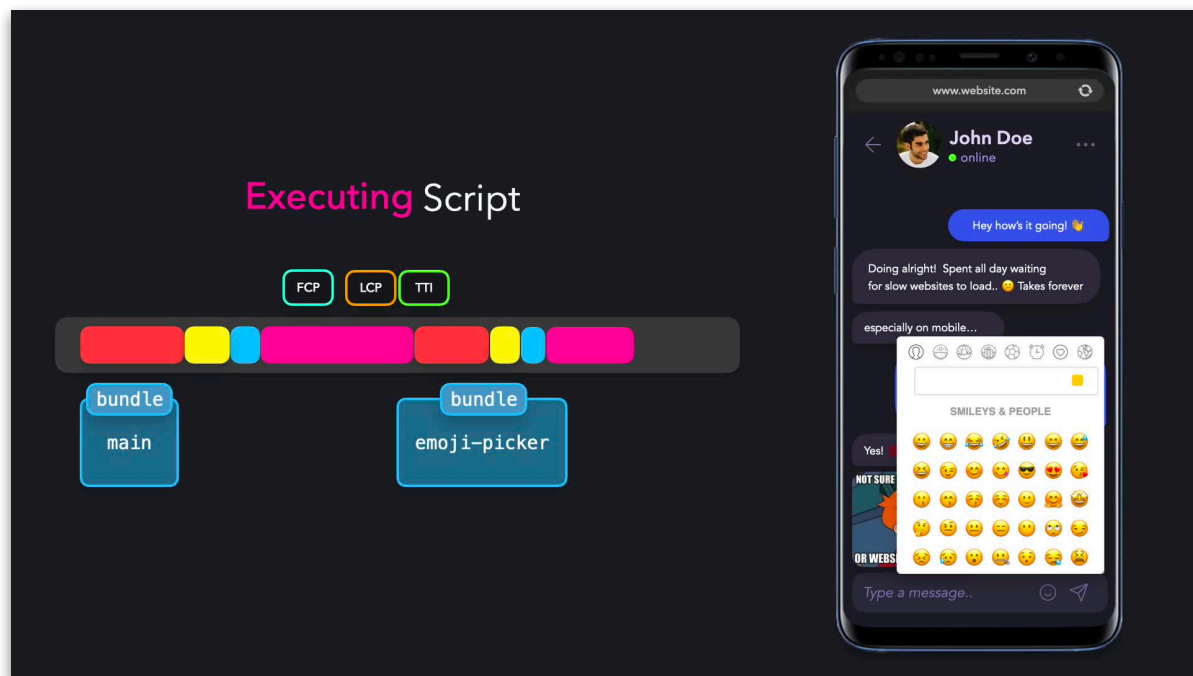
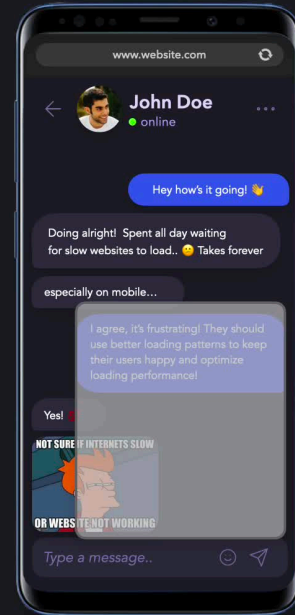
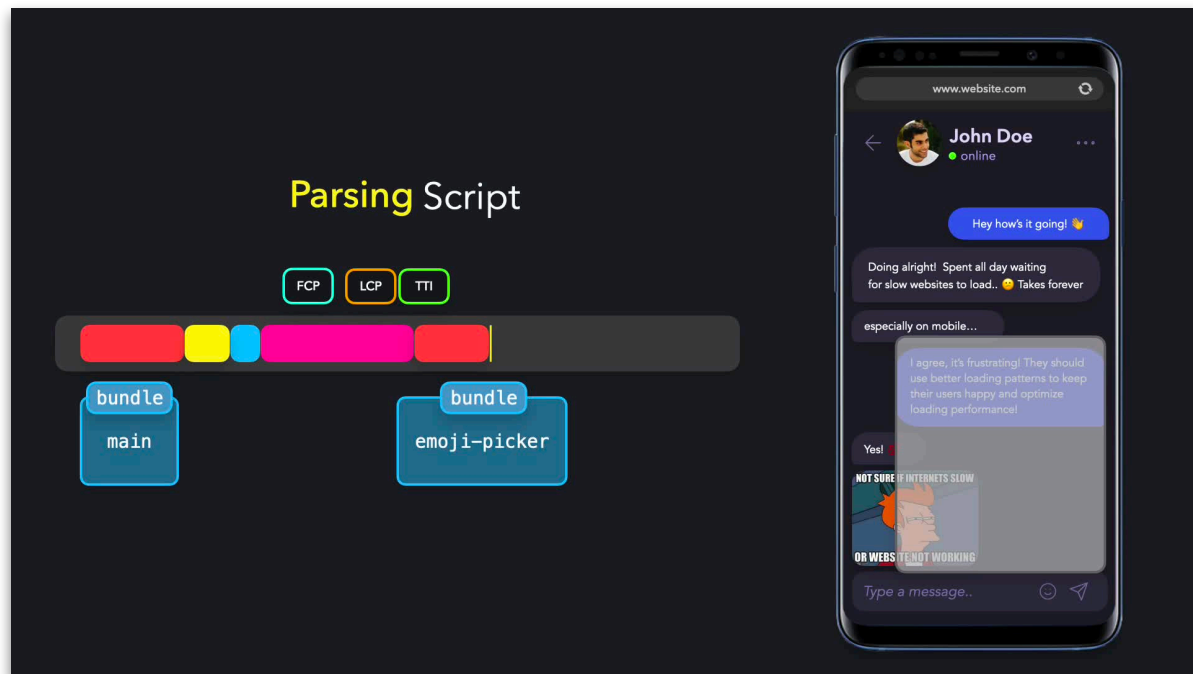
export default ChatInput;

```



Whenever the `EmojiPicker` is rendered to the screen, after the user clicks on the Gif button, `react-loadable-visibility` detects that the `EmojiPicker` element should be visible on the screen. Only then, it will start importing the module while the user sees a loading component being rendered.





The fallback component lets the user know that our application hasn't frozen: they simply need to wait a short while for the module to be loaded, parsed, compiled, and executed!