

How I used

Rust

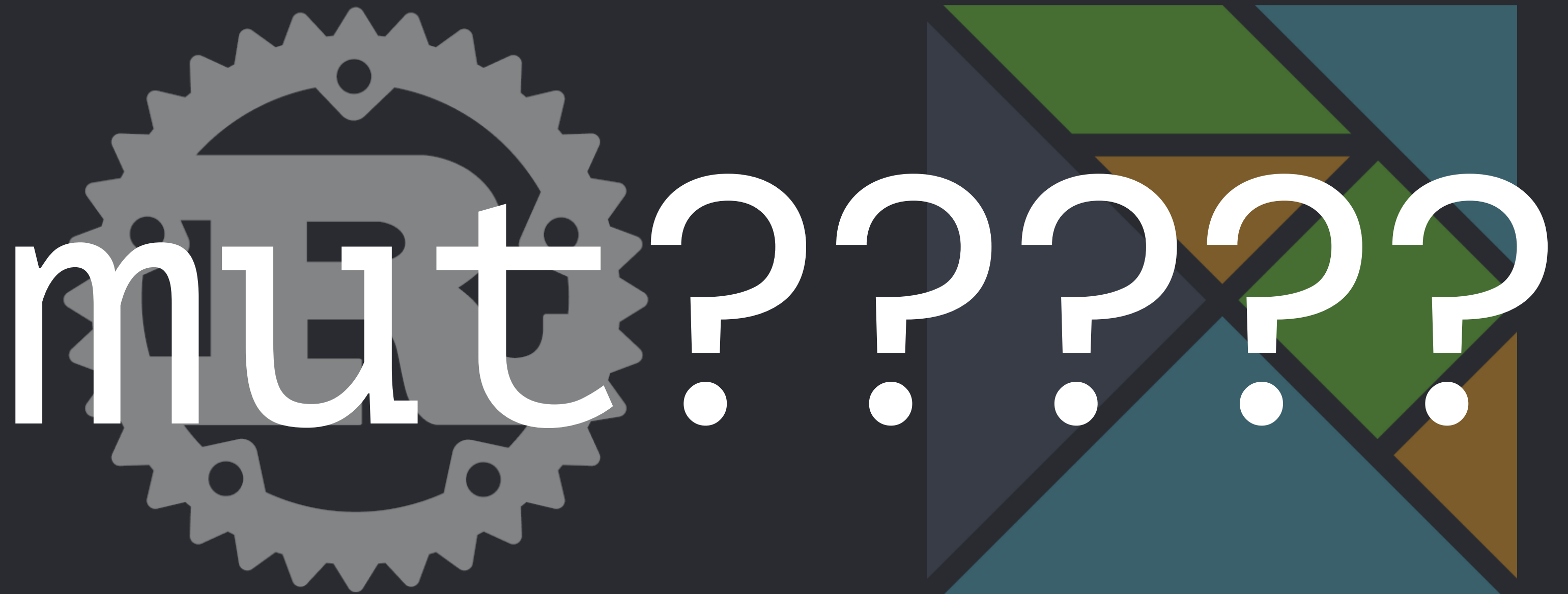
to become

Extremely Offline

I'm Luke



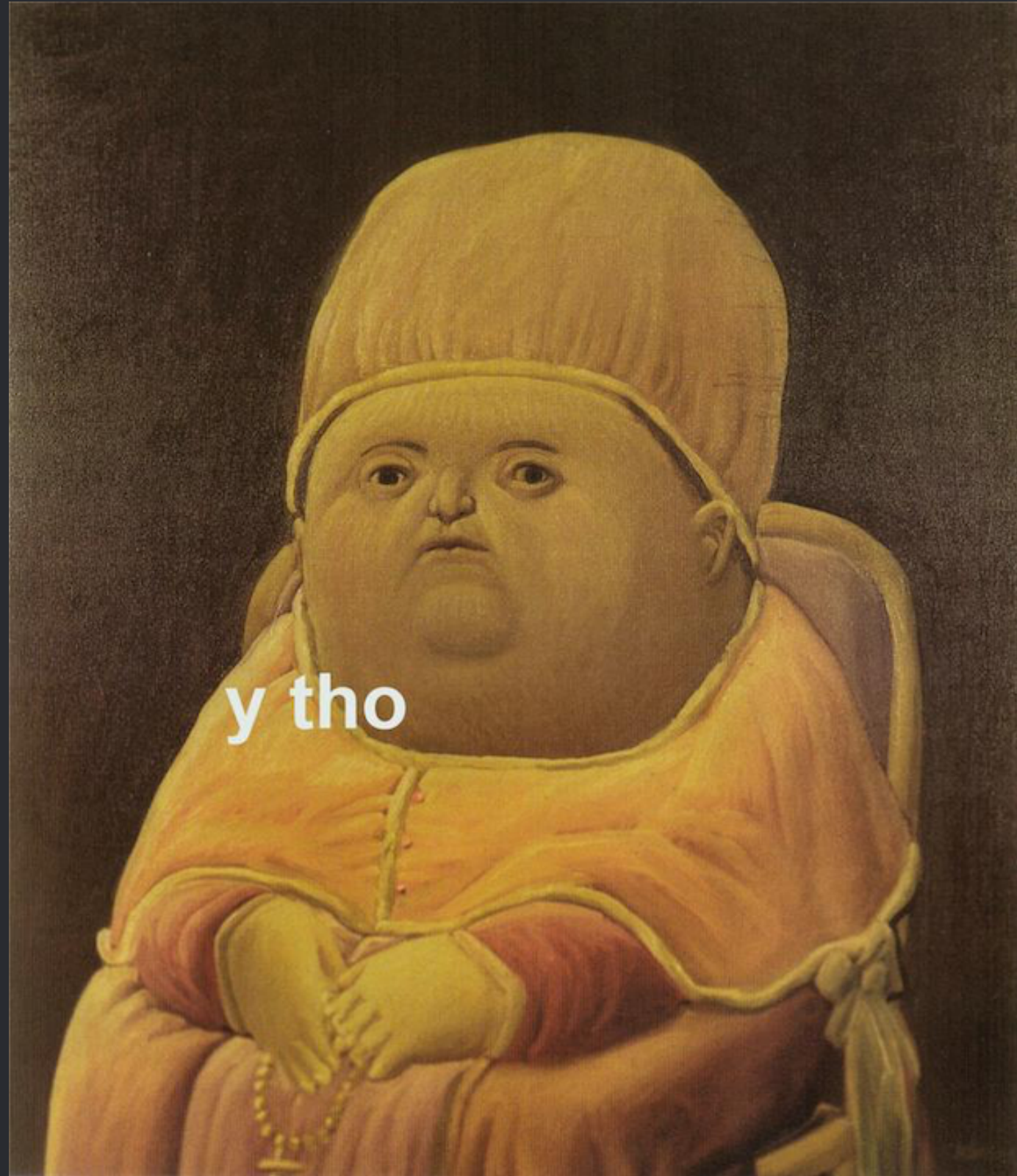




Extremely Offline

not being

Extremely Online



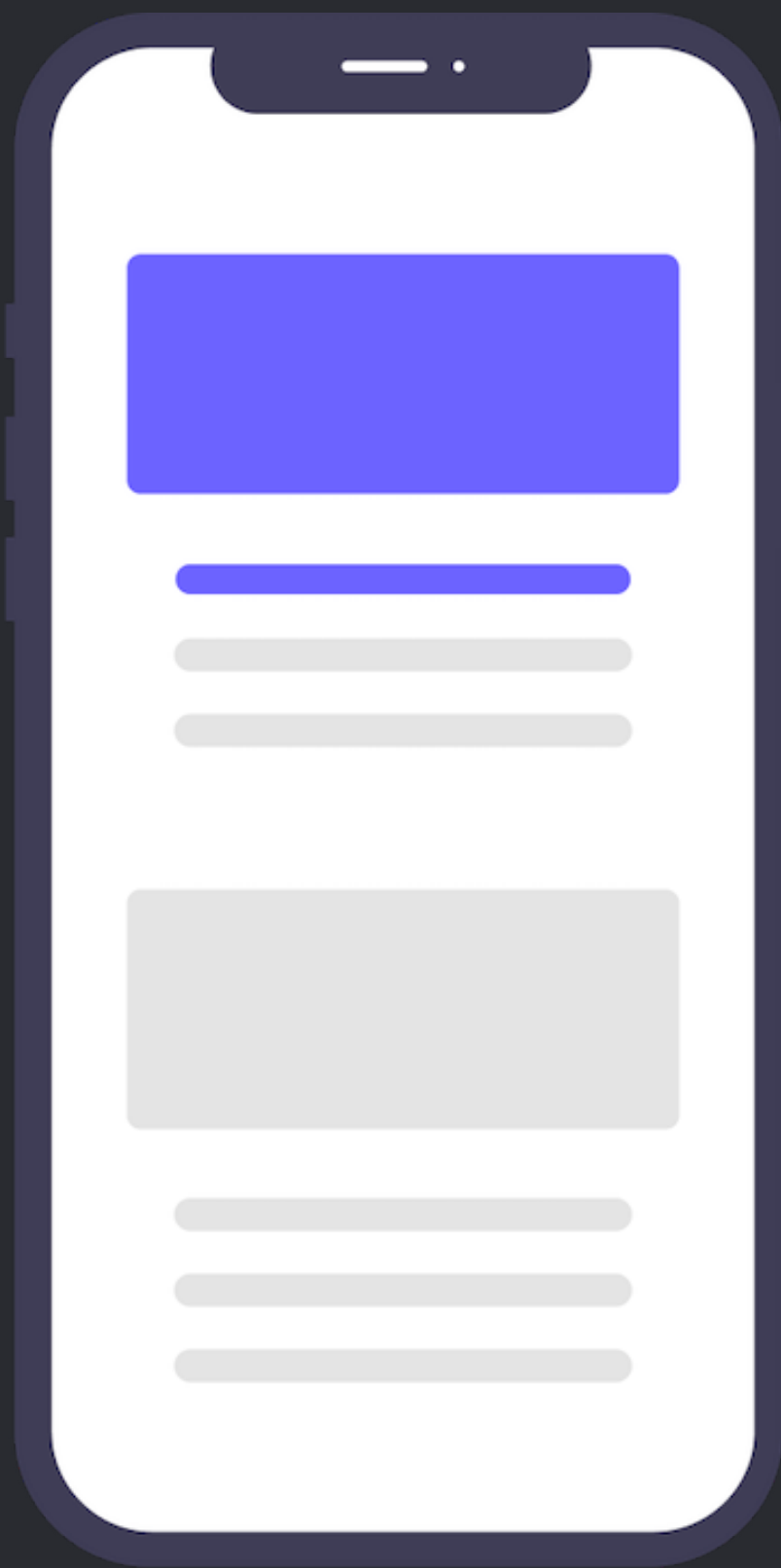
Why Log Off?



Doom●scroll●ing

/ˈdʊmˌskroʊ lɪŋ/

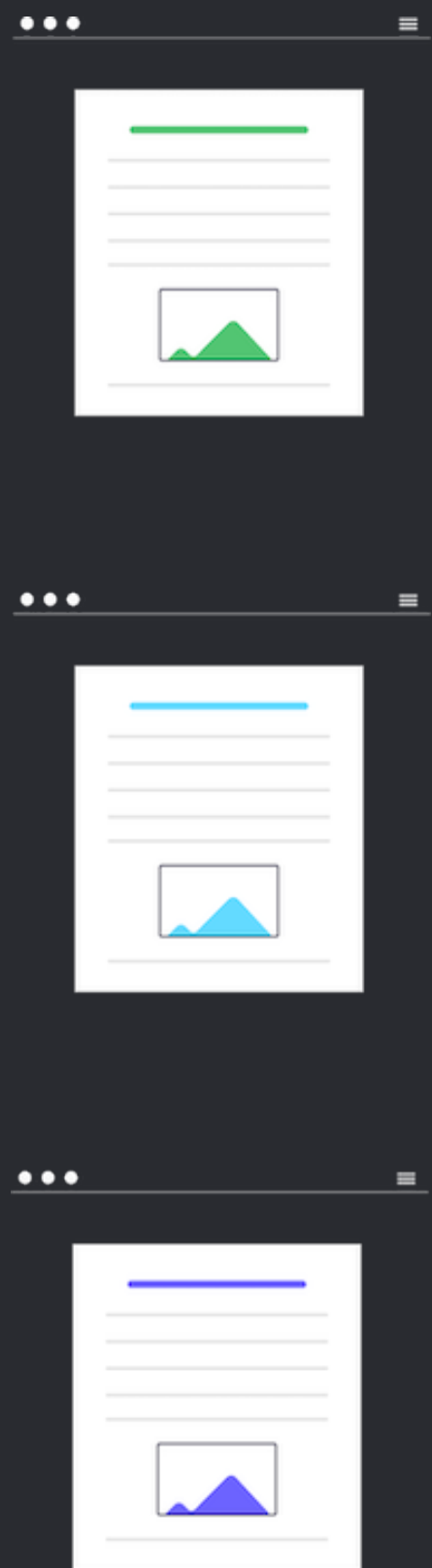
It means scrolling through doom!

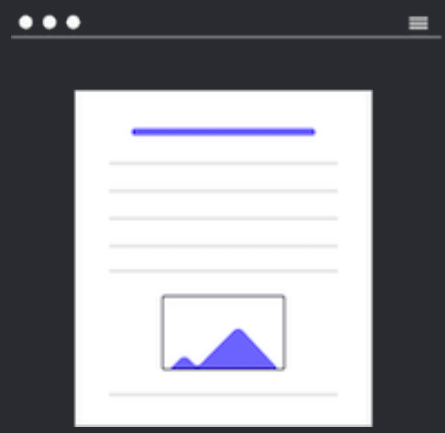
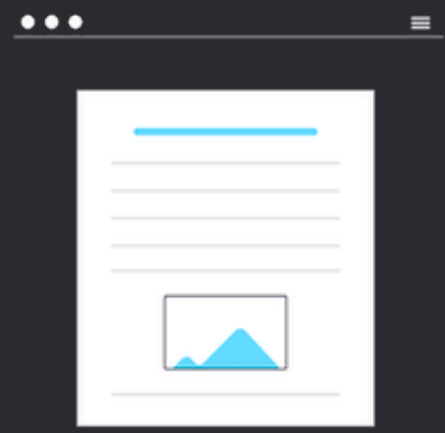
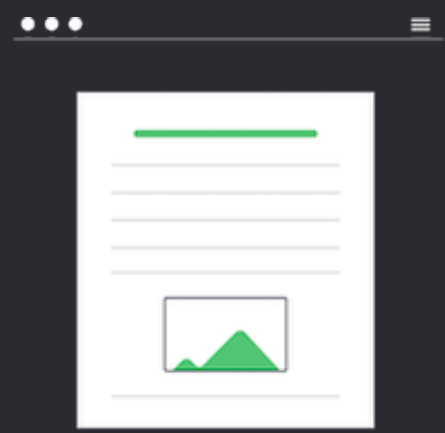


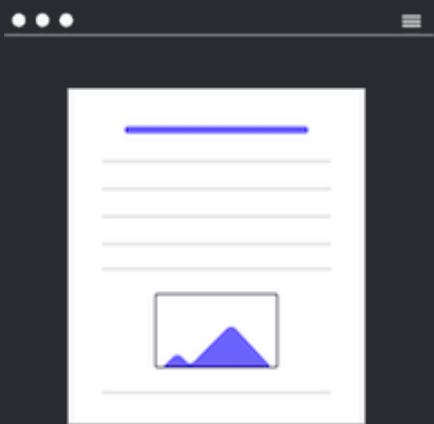
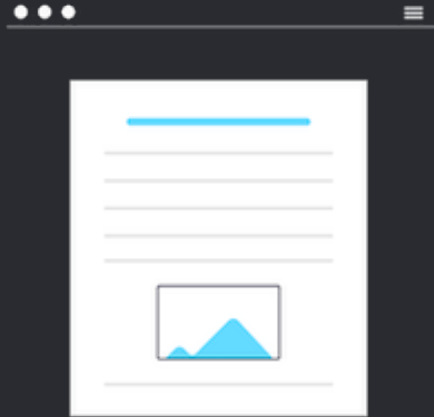
Cold Turkey

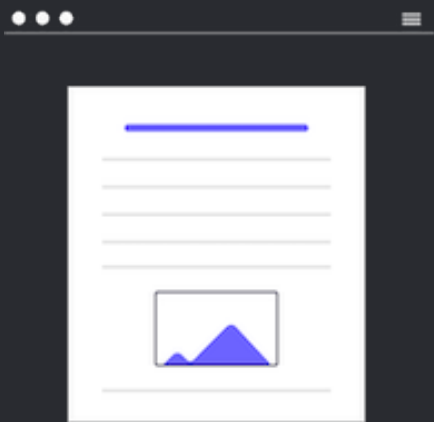


getcoldturkey.com

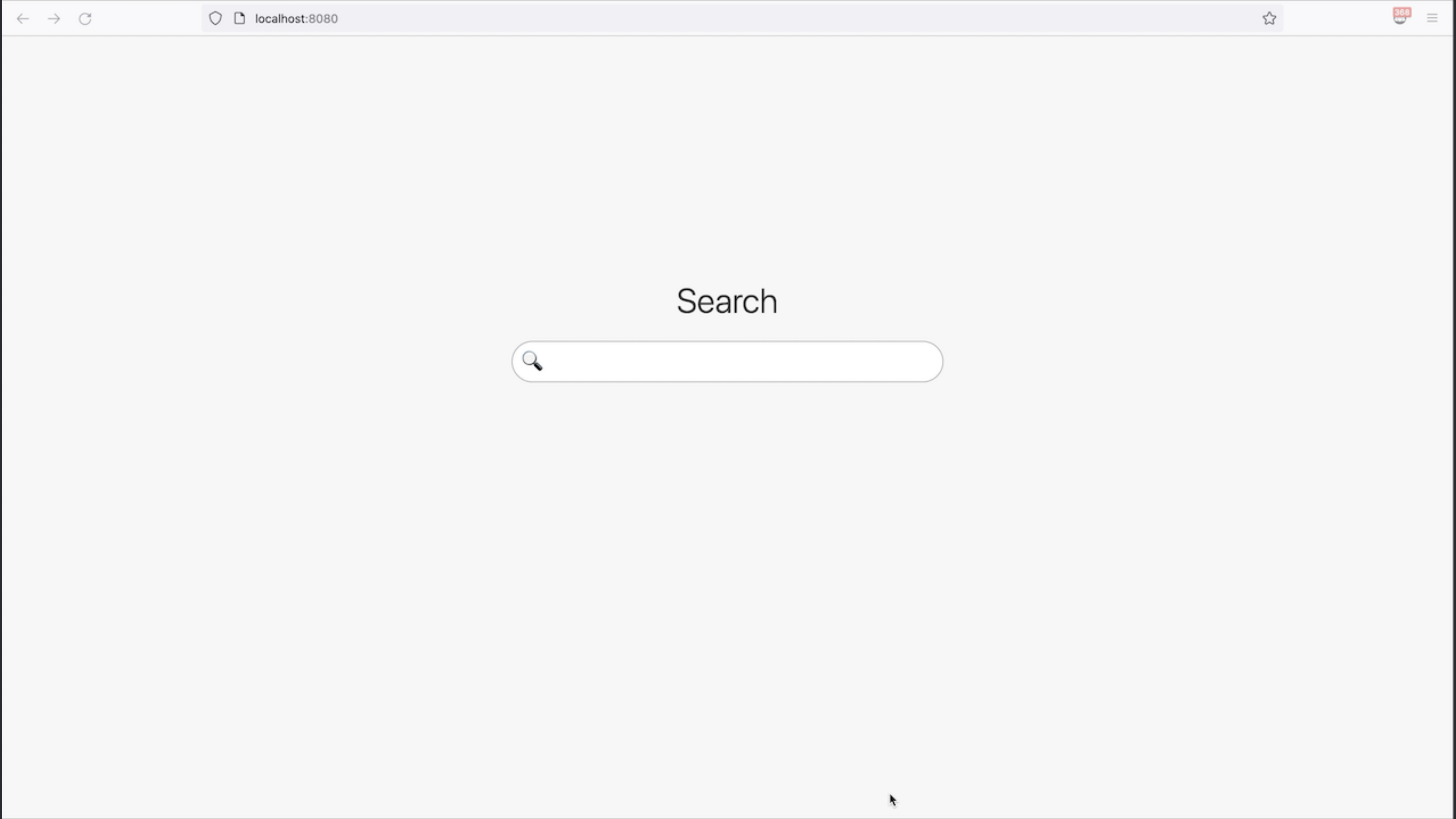


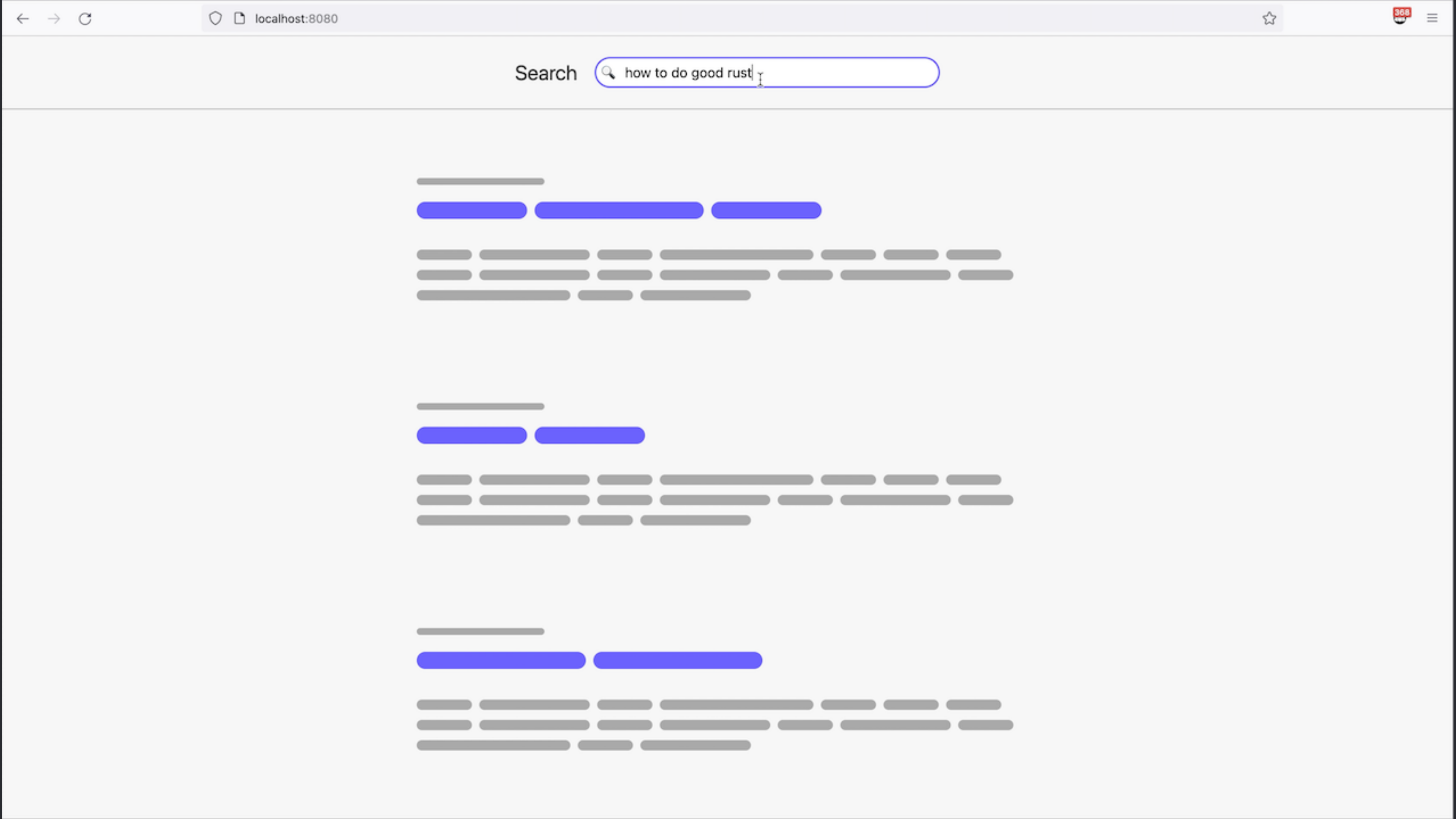












```
const removeContent = () => {  
  document  
    .querySelectorAll('.distracting-content')  
    .forEach((element) => {  
      element.style.display = 'none'  
    })  
}
```

```
const observer = new MutationObserver(removeContent)  
observer.observe(document.documentElement, config)
```

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const removeContent = () => {  
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    .querySelectorAll('.distracting-content')  
    .forEach((element) => {  
      element.style.display = 'none'  
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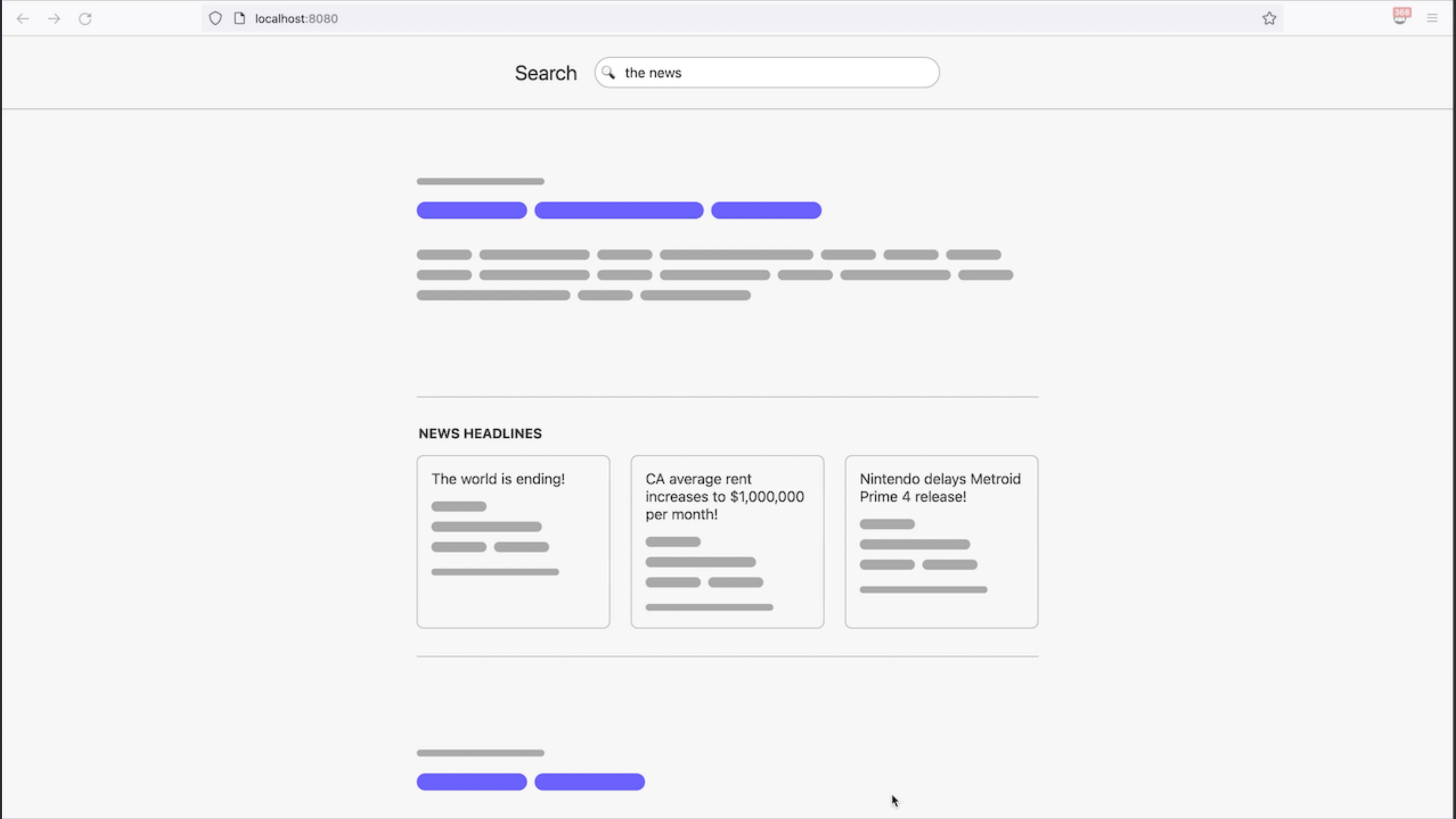
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Search

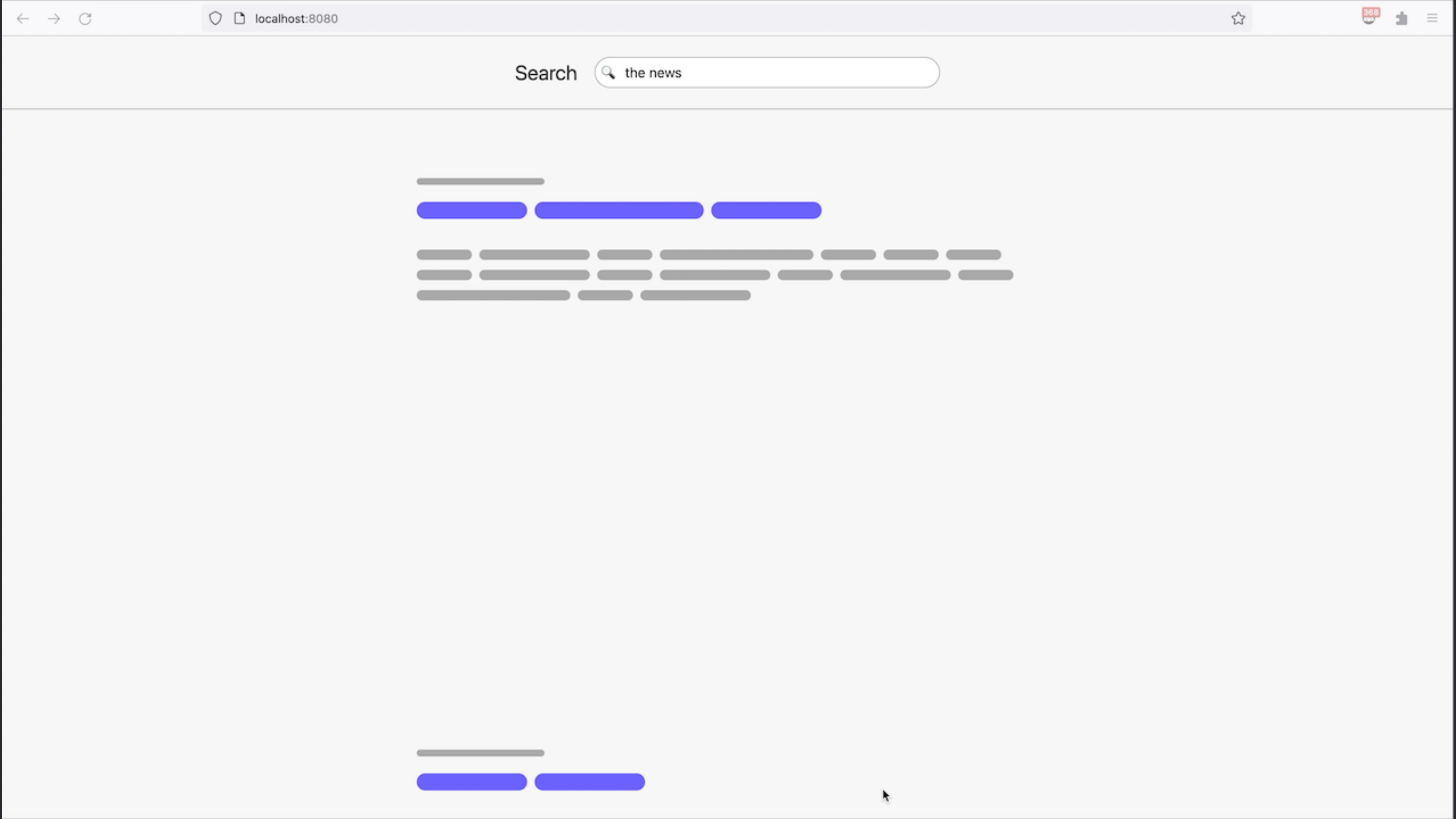
the news

NEWS HEADLINES

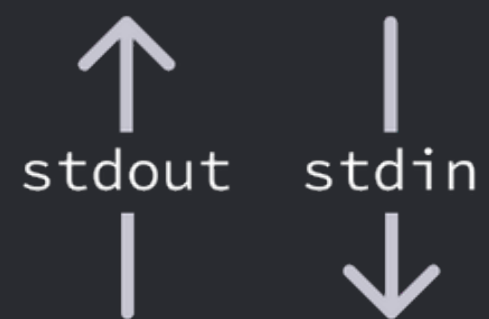
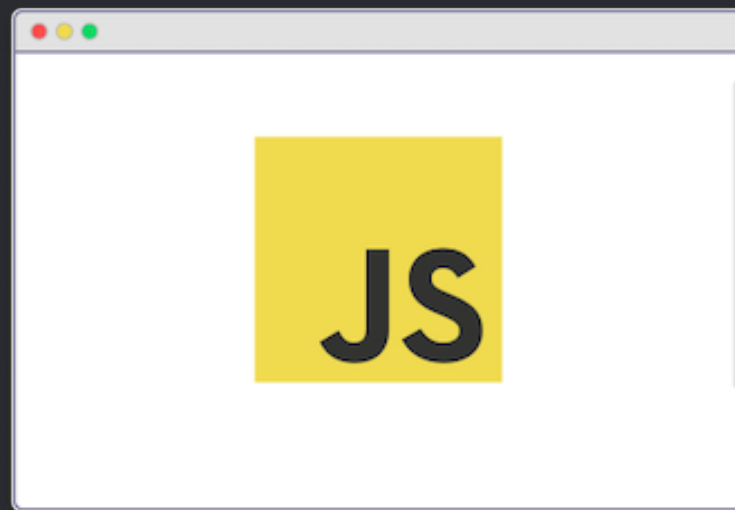
The world is ending!

CA average rent
increases to \$1,000,000
per month!

Nintendo delays Metroid
Prime 4 release!



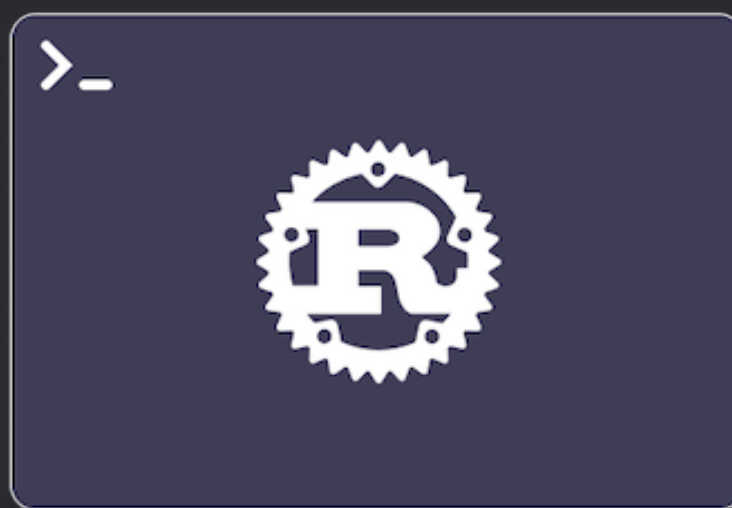
Browser Extension



Native Messaging Host



Daemon



IPC

Native Messaging Host



```
enum Outcome {  
    CloseBrowser,  
    LeaveBrowserOpen,  
}
```

```
if let Some(browser_pid) = find_browser_pid() {  
    let (tx, rx) = mpsc::channel();
```

```
enum Outcome {  
    CloseBrowser,  
    LeaveBrowserOpen,  
}
```

```
if let Some(browser_pid) = find_browser_pid() {  
    let (tx, rx) = mpsc::channel();  
  
    let communication_tx = tx.clone()
```

```
CloseBrowser,  
LeaveBrowserOpen,  
}
```

```
if let Some(browser_pid) = find_browser_pid() {  
    let (tx, rx) = mpsc::channel();  
  
    let communication_tx = tx.clone()  
    thread::spawn(move || {
```

```
    LeaveBrowserOpen,  
}
```

```
if let Some(browser_pid) = find_browser_pid() {  
    let (tx, rx) = mpsc::channel();
```

```
    let communication_tx = tx.clone();  
    thread::spawn(move || {  
        let mut conn = connect_ipc();
```



```
}
```

```
if let Some(browser_pid) = find_browser_pid() {  
    let (tx, rx) = mpsc::channel();
```

```
    let communication_tx = tx.clone();
```

```
    thread::spawn(move || {  
        let mut conn = connect_ipc();
```

```
        conn.write("ping\n");
```

```
if let Some(browser_pid) = find_browser_pid() {  
    let (tx, rx) = mpsc::channel();  
  
    let communication_tx = tx.clone();  
    thread::spawn(move || {  
        let mut conn = connect_ipc();  
  
        conn.write("ping\n");  
  
        let response = conn.read_line();
```

```
let (tx, rx) = mpsc::channel();

let communication_tx = tx.clone();
thread::spawn(move || {
    let mut conn = connect_ipc();

    conn.write("ping\n");

    let response = conn.read_line();

    if response == "pong\n" {
```

```
let communication_tx = tx.clone();
thread::spawn(move || {
    let mut conn = connect_ipc();

    conn.write("ping\n");

    let response = conn.read_line();

    if response == "pong\n" {
        communication_tx.send(LeaveBrowserOpen);
    }
});
```

```
thread::spawn(move || {  
    let mut conn = connect_ipc();  
  
    conn.write("ping\n");  
  
    let response = conn.read_line();  
  
    if response == "pong\n" {  
        communication_tx.send(LeaveBrowserOpen);  
    } else {
```

```
let mut conn = connect_ipc();

conn.write("ping\n");

let response = conn.read_line();

if response == "pong\n" {
    communication_tx.send(LeaveBrowserOpen);
} else {
    communication_tx.send(CloseBrowser);
}
```

```
conn.write("ping\n");

let response = conn.read_line();

if response == "pong\n" {
    communication_tx.send(LeaveBrowserOpen);
} else {
    communication_tx.send(CloseBrowser);
}

});
```

```
let response = conn.read_line();

if response == "pong\n" {
    communication_tx.send(LeaveBrowserOpen);
} else {
    communication_tx.send(CloseBrowser);
}
});
```

```
let timeout_tx = tx.clone();
thread::spawn(move || {
```



```
    if response == "pong\n" {  
        communication_tx.send(LeaveBrowserOpen);  
    } else {  
        communication_tx.send(CloseBrowser);  
    }  
});
```

```
let timeout_tx = tx.clone();  
thread::spawn(move || {  
    thread::sleep(Duration::from_secs(20));
```

```
        communication_tx.send(LeaveBrowserOpen);  
    } else {  
        communication_tx.send(CloseBrowser);  
    }  
});
```

```
let timeout_tx = tx.clone();  
thread::spawn(move || {  
    thread::sleep(Duration::from_secs(20));
```

```
    } else {  
        communication_tx.send(CloseBrowser);  
    }  
});
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let timeout_tx = tx.clone();  
thread::spawn(move || {  
    thread::sleep(Duration::from_secs(20));  
  
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});
```

```
        communication_tx.send(CloseBrowser);
    }
});
```

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let timeout_tx = tx.clone();
thread::spawn(move || {
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```

```
    }  
});
```

```
let timeout_tx = tx.clone();  
thread::spawn(move || {  
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    timeout_tx.send(CloseBrowser);  
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```
for outcome in rx.iter() {
```

```
});
```

```
let timeout_tx = tx.clone();  
thread::spawn(move || {  
    thread::sleep(Duration::from_secs(20));  
  
    timeout_tx.send(CloseBrowser);  
});
```

```
for outcome in rx.iter() {  
    if let CloseBrowser = should_close {
```

```
let timeout_tx = tx.clone();
thread::spawn(move || {
    thread::sleep(Duration::from_secs(20));

    timeout_tx.send(CloseBrowser);
});

for outcome in rx.iter() {
    if let CloseBrowser = should_close {
        quit_process(browser_pid);
    }
}
```

```
thread::spawn(move || {  
    thread::sleep(Duration::from_secs(20));  
  
    timeout_tx.send(CloseBrowser);  
});
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```
for outcome in rx.iter() {  
    if let CloseBrowser = should_close {  
        quit_process(browser_pid);  
    }  
    process::exit(0);  
}
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thread::sleep(Duration::from_secs(20));

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for outcome in rx.iter() {
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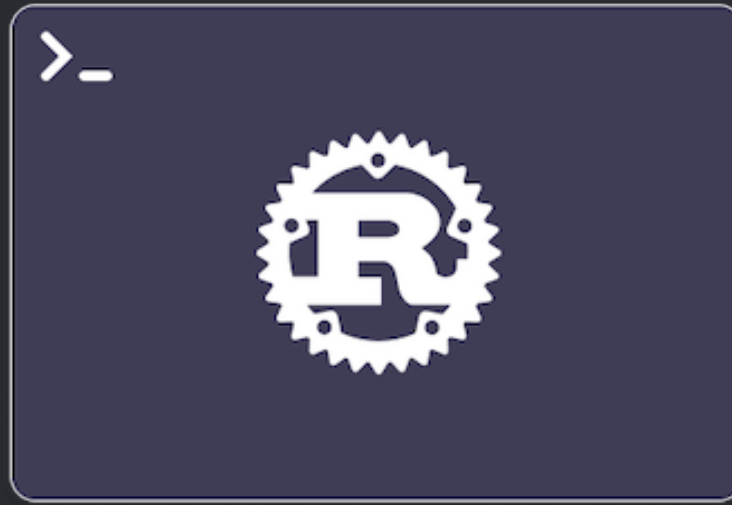
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}  
}
```

Daemon



IPC

Native Messaging Host



```
let stream = stream_ipc();

for mut conn in stream {
    let request = conn.read_line();

    if request == "ping\n" {
        send_ping_to_browser();

        if check_response_from_browser() {
            conn.write("pong\n");
        }
    }
}
```

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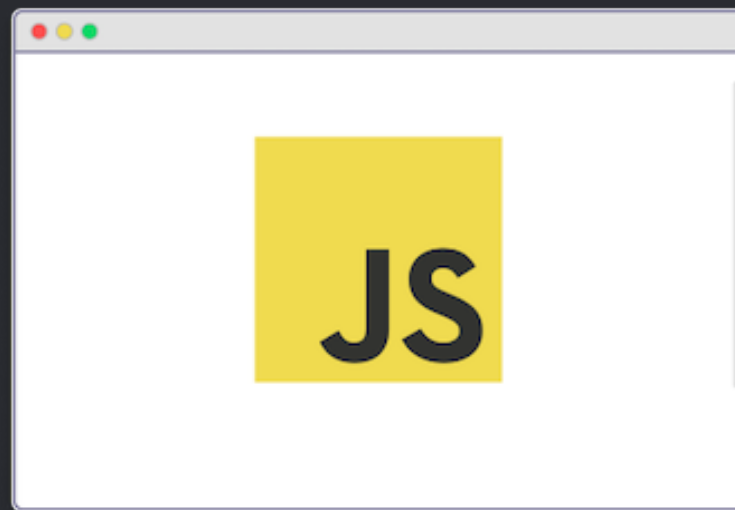
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        if check_response_from_browser() {
            conn.write("pong\n");
        }
    }
}
```

Browser Extension



Native Messaging Host



```
const port = connectToHost()
```

```
port.onMessage.addListener(async (message, port) => {  
  const allowed = await isAllowedInPrivate()  
  
  if (message === 'ping' && allowed) {  
    port.postMessage('pong')  
  }  
})
```

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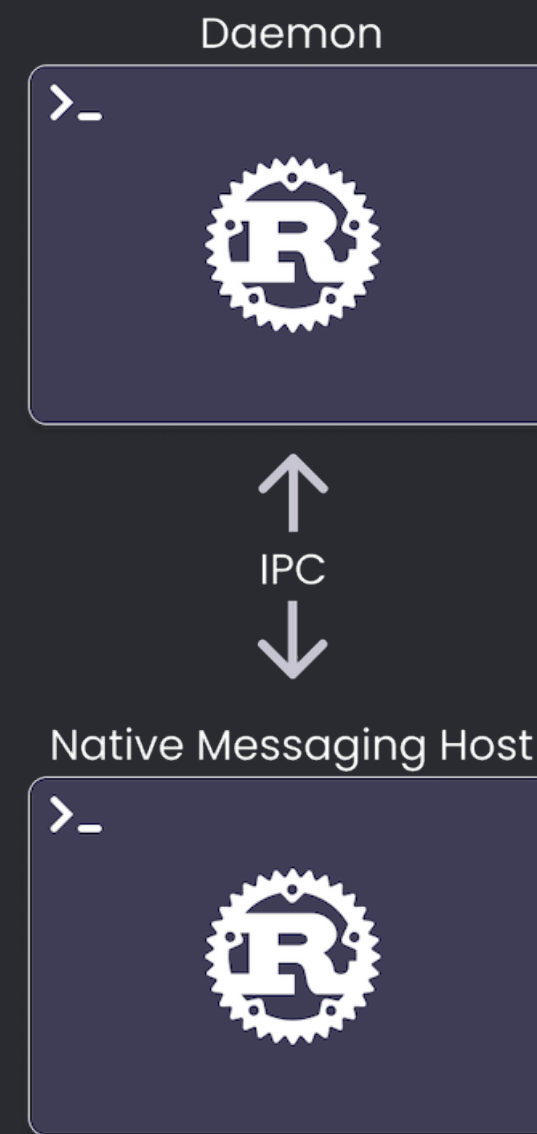
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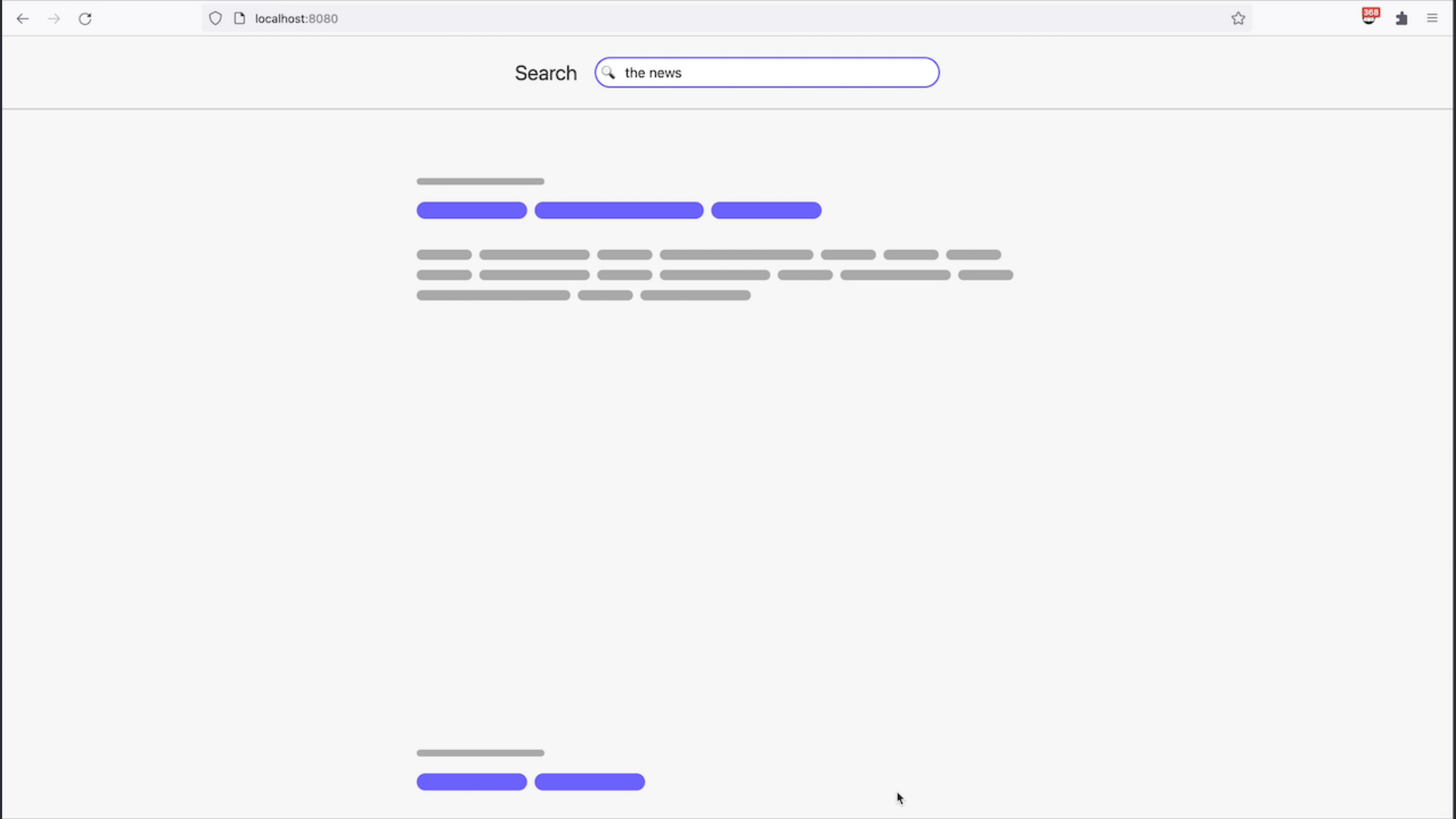
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Crates used

- `psutil`
- `interprocess`
- `libc`
- `serde`
- `byteorder`



[construction-site.com/careers](https://www.construction-site.com/careers)

CONSTRUCTION-SITE

I'm Luke

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- chess.com/member/lukewestby