

# Table of Contents

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# **Chapter 1: Creating a Movie List Application in React**

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## MovieList



Avatar

### #1 - Avatar (2009)

- Distributor: 20th Century Fox
- Amount: \$2,787,965,087



Titanic

### #2 - Titanic (1997)

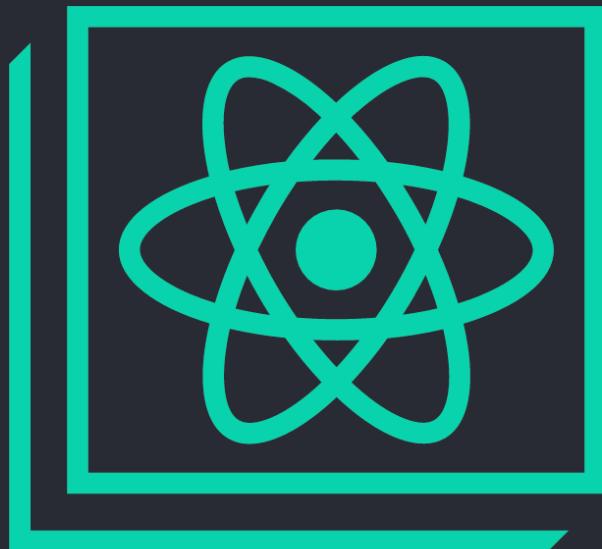
- Distributor: 20th Century Fox
- Amount: \$2,187,463,944

## MovieList

| Avatar                        | Titanic                       | Star Wars: The Force Awakens                     | Avengers: Infinity War                           | Jurassic World                    |
|-------------------------------|-------------------------------|--|--|-----------------------------------|
| <b>#1 - Avatar (2009)</b>     | <b>#2 - Titanic (1997)</b>    | <b>#3 - Star Wars: The Force Awakens (2015)</b>  | <b>#4 - Avengers: Infinity War (2018)</b>        | <b>#5 - Jurassic World (2015)</b> |
| Distributor: 20th Century Fox | Distributor: 20th Century Fox | Distributor: Walt Disney Studios Motion Pictures | Distributor: Walt Disney Studios Motion Pictures | Distributor: Universal Pictures   |
| Amount: \$2,787,965,087       | Amount: \$2,187,463,944       | Amount: \$2,068,223,624                          | Amount: \$2,048,359,754                          | Amount: \$1,671,713,208           |

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## Chapter 2: Creating a Progressive Web Application with Reusable React Components



Edit `src/App.js` and save to reload.

[Learn React](#)

The screenshot shows the Chrome DevTools Application tab interface. The left sidebar contains a tree view of application components: Manifest, Service Workers (which is selected and highlighted in grey), and Clear storage under Application; Local Storage, Session Storage, IndexedDB, Web SQL, and Cookies under Storage; Cache (with Cache Storage expanded to show workbox-precache-v2 and Application Cache); Background Services (with Background Fetch, Background Sync, Notifications, Payment Handler, and Push Messaging); and Frames (with top selected). The main content area is titled 'Service Workers' and shows details for the service worker at <http://localhost:5000/>. It includes a 'Source' field with 'service-worker.js', a 'Received' timestamp of '29/10/2019, 21:25:16', a 'Status' field showing a green dot and '#41397 activated and is running' with a 'stop' link, a 'Clients' field with 'http://localhost:5000/ focus', and two buttons: 'Push' with a text input 'Test push message from DevTools.' and a 'Push' button, and 'Sync' with a text input 'test-tag-from-devtools' and a 'Sync' button. A note '▶ Service workers from other origins' is also present.

Application

- Manifest
- Service Workers
- Clear storage

Storage

- Local Storage
- Session Storage
- IndexedDB
- Web SQL
- Cookies

Cache

- Cache Storage
  - workbox-precache-v2-<http://localhost:5000/>
- Application Cache

Background Services

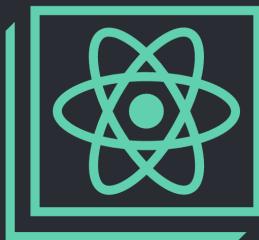
- Background Fetch
- Background Sync
- Notifications
- Payment Handler
- Push Messaging

Frames

- top

Select a cache entry above to preview

Total entries: 4



Edit `src/App.js` and save to reload.

[Learn React](#)

Components

Search (text or /regex/)

App

Header

Header

props

```
logo: "/static/media/logo.25bf045c.svg"
new prop : ""
```

rendered by

App



Edit `src/App.js` and save to reload.

## Learn React

- `avatar_url: https://avatars3.githubusercontent.com/u/583231?v=4`
- `html_url: https://github.com/octocat`
- `repos_url: https://api.github.com/users/octocat/repos`
- `name: The Octocat`
- `company: GitHub`
- `location: San Francisco`
- `email:`
- `bio:`



# My Github Portfolio



**html\_url:**  
**repos\_url:**  
**name:**  
**company:**  
**location:**  
**email:**  
**bio:**

[Github URL](#)  
<https://api.github.com/users/octocat/repos>  
The Octocat  
GitHub  
San Francisco



# My Github Portfolio



## Profile

html\_url  
repos\_url  
name  
company  
location  
email  
bio

[Github URL](https://api.github.com/users/octocat/repos)  
https://api.github.com/users/octocat/repos  
The Octocat  
GitHub  
San Francisco

## Projects

boysenberry-repo-1  
git-consortium  
hello-world  
Hello-World  
linguist  
octocat.github.io  
Spoon-Knife  
test-repo1

[Github URL](#)  
[Github URL](#)

The screenshot shows the Chrome DevTools Application tab interface. The left sidebar contains a tree view with sections: Application (Manifest, Service Workers, Clear storage), Storage (Local Storage, Session Storage, IndexedDB, Web SQL, Cookies), Cache (Cache Storage (workbox-precache-v2), Application Cache), Background Services (Background Fetch, Background Sync, Notifications, Payment Handler, Push Messaging), and Frames (top). The main content area is titled 'Service Workers' for the URL 'http://localhost:5000/'. It shows the source file 'service-worker.js', received on 29/10/2019, 21:25:16, and a status message indicating a service worker is activated and running. It also lists clients connected to the service worker. There are buttons for 'Push' and 'Sync' messages.

Application

- Manifest
- Service Workers**
- Clear storage

Storage

- Local Storage
- Session Storage
- IndexedDB
- Web SQL
- Cookies

Cache

- Cache Storage
  - workbox-precache-v2-<http://localhost:5000/>
  - Application Cache

Background Services

- Background Fetch
- Background Sync
- Notifications
- Payment Handler
- Push Messaging

Frames

- top

Service Workers

Offline  Update on reload  Bypass for network

<http://localhost:5000/> [Update](#) [Unregister](#)

Source [service-worker.js](#)

Received 29/10/2019, 21:25:16

Status ● #41397 activated and is running [stop](#)

Clients <http://localhost:5000/> [focus](#)

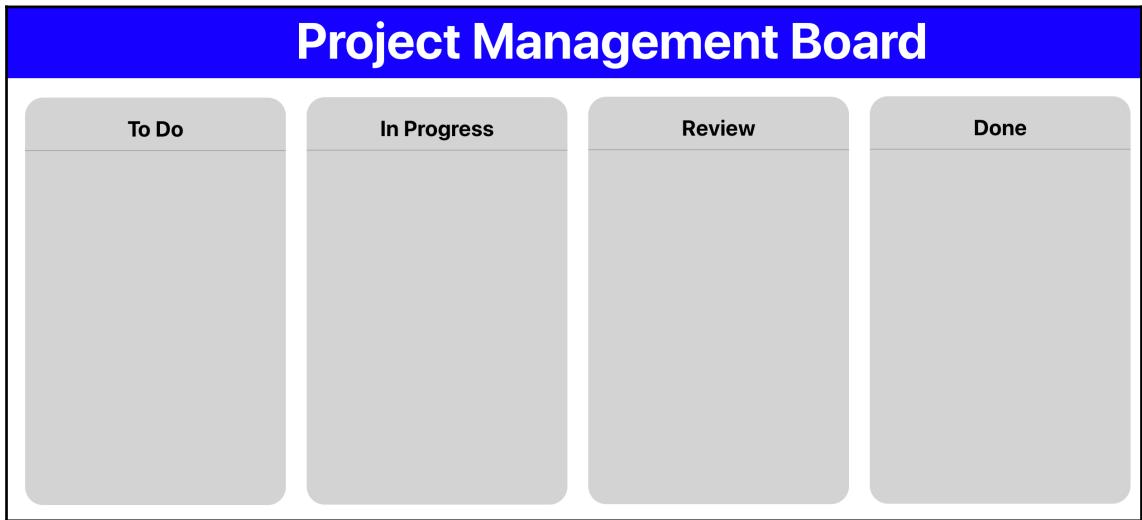
Push  [Push](#)

Sync  [Sync](#)

▶ Service workers from other origins

---

# Chapter 3: Build a Dynamic Project Management Board with React and Suspense



# Project Management Board

| To Do  | In Progress   | Review  | Done   |
|--|---|---|--|
| <b>Fix navigation bug</b> <p> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque egestas dictum libero, vel tristique odio pulvinar vitae.</p> | <b>Release new website</b> <p> hasellus eleifend lacus vitae est ultrices placerat. Nunc at risus id risus venenatis laoreet sit amet cursus neque.</p> | <b>Change button color</b> <p> Suspendisse ac lorem a neque tempus luctus non aliquam sapien. Cras ut lacus bibendum, placerat nibh eu, tempus neque.</p> | <b>Complete the registration flow</b> <p> In vel commodo ipsum. Duis id ipsum semper, condimentum ipsum sit amet, maximus massa.</p> |

# Project Management Board

| To Do   | In Progress  | Review   | Done  |
|---|--|--|---|
| <b>Fix navigation bug</b> <p>Fix navigation bug</p> <p>Fix navigation bug</p> | <b>Release new website</b> <p>hasellus eleifend lacus vitae est ultrices placerat. Nunc at risus id risus venenatis laoreet sit amet cursus neque.</p> | <b>Change button color</b> <p>Suspendisse ac lorem a neque tempus luctus non aliquam sapien. Cras ut lacus bibendum, placerat nibh eu, tempus neque.</p> | <b>Complete the registration flow</b> <p>In vel commodo ipsum. Duis id ipsum semper, condimentum ipsum sit amet, maximus massa.</p> |

# Project Management Board

| To Do   | In Progress   | Review   | Done   |
|---|---|--|--|
| <b>Fix navigation bug</b> <p>Fix navigation bug</p> <p>Fix navigation bug</p> | <b>Release new website</b> <p>hasellus eleifend lacus vitae est ultrices placerat. Nunc at risus id risus venenatis laoreet sit amet cur</p><br><b>Deploy server on acceptance environment</b> <p>Pellentesque pharetra fermentum sapien, aliquet ultrices ligula mattis porttitor.</p> | <b>Change button color</b> <p>Suspendisse ac lorem a neque tempus luctus non aliquam sapien. Cras ut lacus endum, placerat nibh eu, impus neque.</p><br><b>Deploy server on acceptance environment</b> <p>Ilentesque pharetra fermentum sapien, aliquet ultrices ligula mattis porttitor.</p><br><b>Change layout for the content page</b> <p>Cras tellus ligula, mattis at facilisis eu, ultricies vel elit. Ut aliquam volutpat lacus, a rutrum sem vulputate non.</p> | <b>Complete the registration flow</b> <p>In vel commodo ipsum. Duis id ipsum semper, condimentum ipsum sit amet, maximus massa.</p><br><b>Create new database instance</b> <p>Curabitur nec sem lorem. Donec venenatis, arcu vitae malesuada consequat, dolor ante placerat mi, in fermentum diam ipsum id libero.</p> |

---

# Chapter 4: Build a SSR-Based Community Feed Using React Router

## Q&A Feed

**How to remove harmony comments in webpack and hide code**

Views: 23 | Answers: 1



pingeyeg

**How to update GUI without calling setState in render (Mobx)?**

Views: 7 | Answers: 0



simerpreet jassal

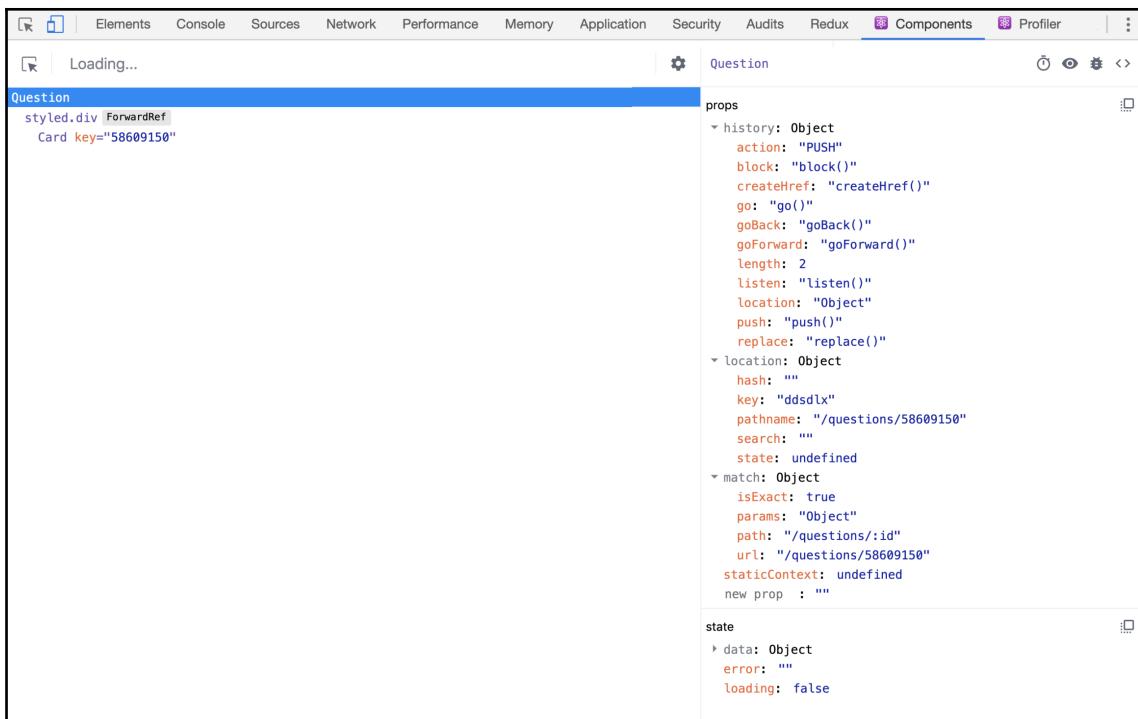
**How can I find all line with text hard coded in a file .jsx on Visual Studio Code?**

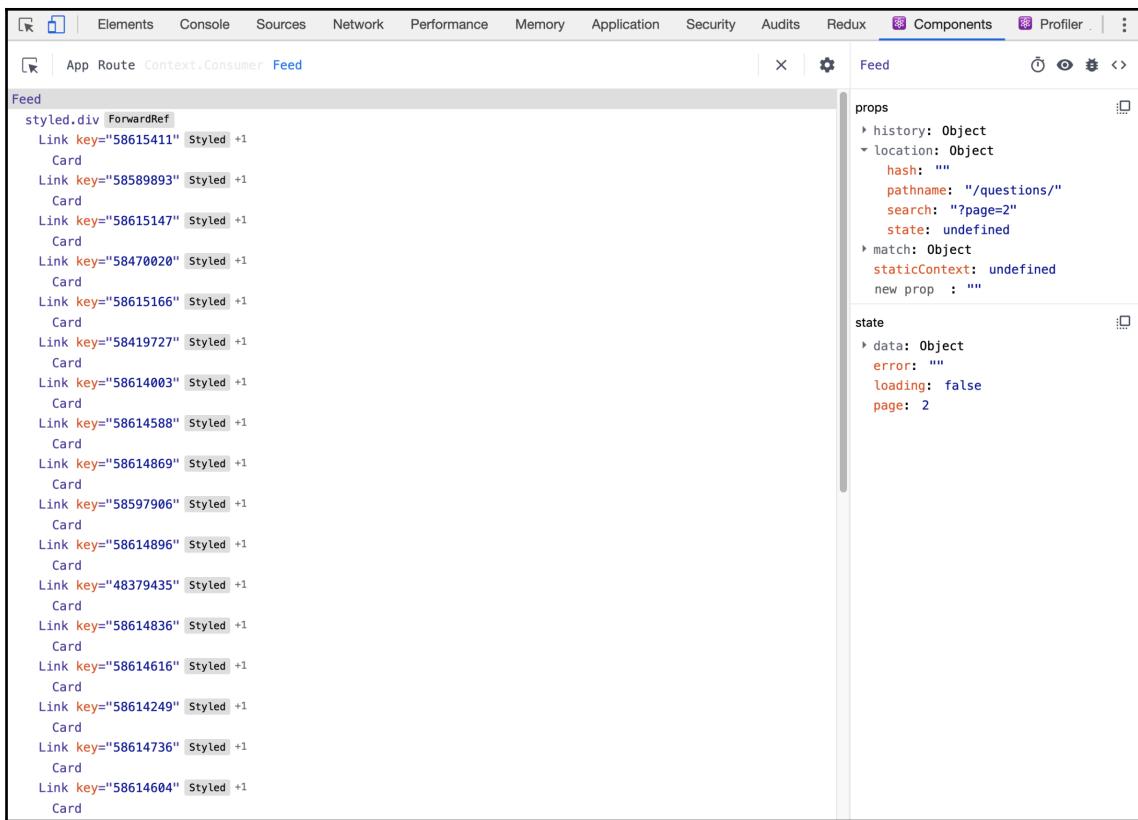
Views: 24 | Answers: 0



Ben

**How to mock an api for a React stateless functional component?**





The screenshot shows the Chrome DevTools Components tab for a React application. The left pane displays the component tree for the `Feed` component, which is a `ForwardRef`. The tree shows multiple `Link` and `Card` components, each with a unique key. The right pane shows the component's props and state. The props include `history`, `location`, `hash`, `pathname`, `search`, `state`, `match`, and `staticContext`. The state includes `data`, `error`, `loading`, and `page`.

```
Feed
  styled.div [ForwardRef]
    Link key="58615411" Styled +1
      Card
    Link key="58589893" Styled +1
      Card
    Link key="58615147" Styled +1
      Card
    Link key="58470020" Styled +1
      Card
    Link key="58615166" Styled +1
      Card
    Link key="58419727" Styled +1
      Card
    Link key="58614003" Styled +1
      Card
    Link key="58614588" Styled +1
      Card
    Link key="58614869" Styled +1
      Card
    Link key="58597906" Styled +1
      Card
    Link key="58614896" Styled +1
      Card
    Link key="48379435" Styled +1
      Card
    Link key="58614836" Styled +1
      Card
    Link key="58614616" Styled +1
      Card
    Link key="58614249" Styled +1
      Card
    Link key="58614736" Styled +1
      Card
    Link key="58614604" Styled +1
      Card
```

props

- history: Object
- location: Object
- hash: ""
- pathname: "/questions/"
- search: "?page=2"
- state: undefined
- match: Object
- staticContext: undefined
- new prop : ""

state

- data: Object
- error: ""
- loading: false
- page: 2

---

# Chapter 5: Build a Personal Shopping List Application Using Context API and Hooks

## Personal Shopping List

[< Go Back](#)

**Add Item**

**Title**

**Quantity**

**Price**

**Add Item**

# Personal Shopping List

[< Go Back](#)

## Daily groceries

[+ Add Item](#)**Washing pods****Quantity: 1****\$ 6.99****Rice****Quantity: 1****\$ 0.99**

---

# Chapter 6: Build an Application Exploring TDD Using Jest and Enzyme

## Hotel Reviews

Your Lists



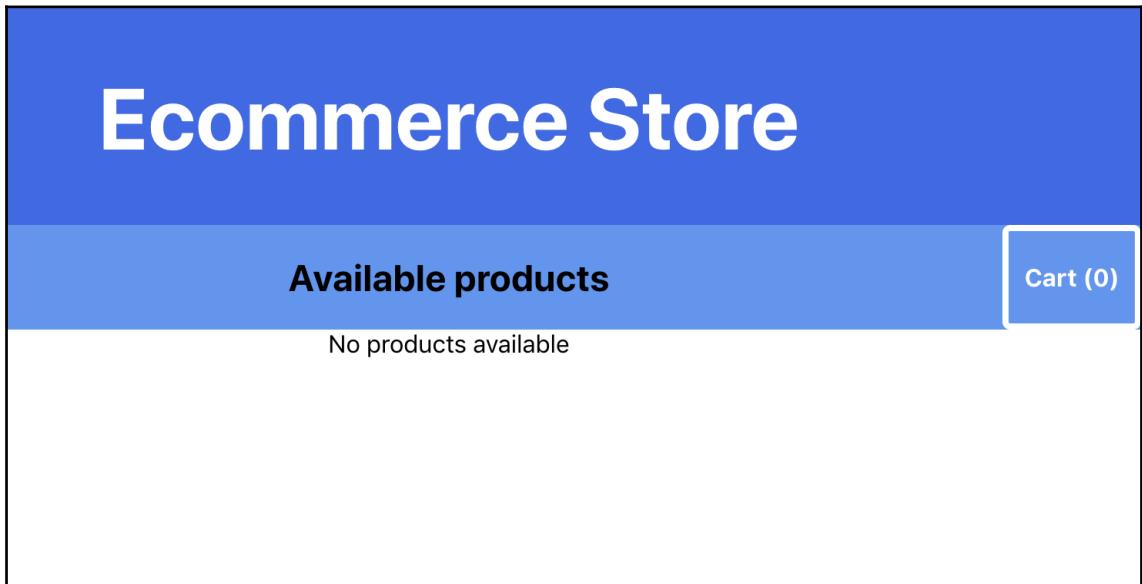
**Beachfront Hotel (\*\*\*)**



**Forest Apartments (\*\*)**

---

# Chapter 7: Build a Full Stack E-Commerce Application with React Native and GraphQL



A screenshot of a GraphQL playground interface. The top bar includes a 'New Tab' button, a '+' button, a gear icon, and tabs for 'PRETTIFY', 'HISTORY', and 'COPY CURL'. The URL 'http://localhost:4000/graphql' is shown in the address bar. The main area has a dark background with a light gray sidebar on the right. On the left, code is written in a monospaced font:

```
1 # Write your query or mutation here
2
```

In the center, there is a large circular button with a play icon. To its right, text reads: 'Hit the Play Button to get a response here'. The sidebar on the right has buttons for 'DOCS' and 'SCHEMA'. At the bottom, there are buttons for 'QUERY VARIABLES', 'HTTP HEADERS', 'TRACING', and 'QUERY PLAN'.

The image shows a GraphQL playground interface with a dark theme. The left side is a query editor with tabs for 'PRETTYFY', 'HISTORY', and 'SCHEMA'. The 'SCHEMA' tab is selected, showing the following GraphQL schema:

```
type Cart {  
  total: Float  
  products: [Product]  
  complete: Boolean  
}  
  
input CartInput {  
  productId: Int!  
}  
  
type Category {  
  id: Int!  
  title: String!  
}  
  
type Mutation {  
  addToCart(input: CartInput!)  
  completeCart: Cart  
  loginUser(userName: String!,  
  password: String!)  
}  
  
type Product {  
  id: Int!  
  title: String!  
  thumbnail: String!  
  price: Float  
  category: Category  
}  
  
type Query {  
  product: Product  
  products(limit: Int): [Product]  
  categories: [Category]  
  cart: Cart  
}
```

The right side of the interface shows a 'SCHEMA' tab and a 'DOWNLOAD' button. Below the schema, there is a message: 'Hit the Play Butt get a response' with a play button icon. At the bottom, there are buttons for 'QUERY VARIABLES' and 'HTTP HEADERS'.

# Ecommerce Store

## Available products



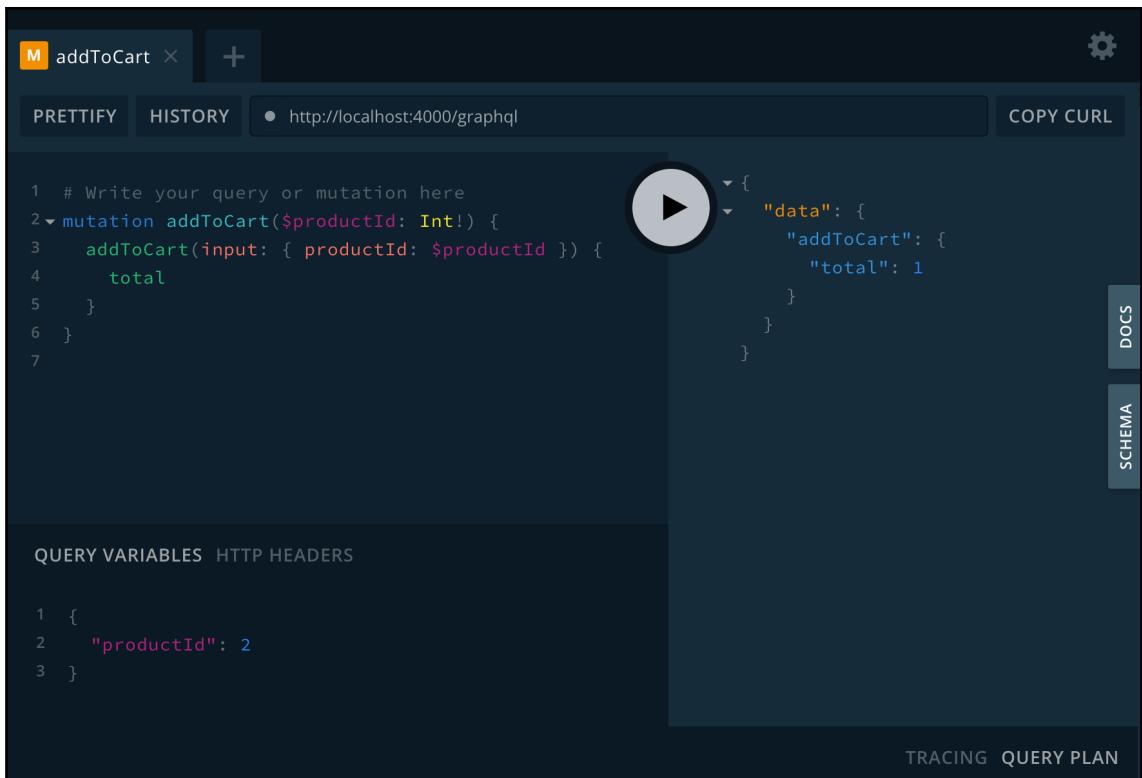
**Gorgeous Cotton Pizza**



**Ergonomic Wooden Tuna**



**Refined Frozen Computer**



The screenshot shows a GraphQL playground interface with the following details:

- Query:** mutation addToCart(\$productId: Int!) { addCart(input: { productId: \$productId }) { total } }
- Variables:** { "productId": 2 }
- HTTP Headers:** (empty)
- Result:** (The result is collapsed, indicated by a triangle icon and a '...' ellipsis.)
- UI Elements:** PRETTIFY, HISTORY, COPY CURL, DOCS, SCHEMA buttons.

# Ecommerce Store

## Available products

Cart (1)

Number of products: 5



**Rustic Fresh Pizza**

+ Add to cart



**Awesome Steel Pants**

+ Add to cart



**Licensed Fresh Ball**

+ Add to cart

# Ecommerce Store

[< Go Back](#)

Cart



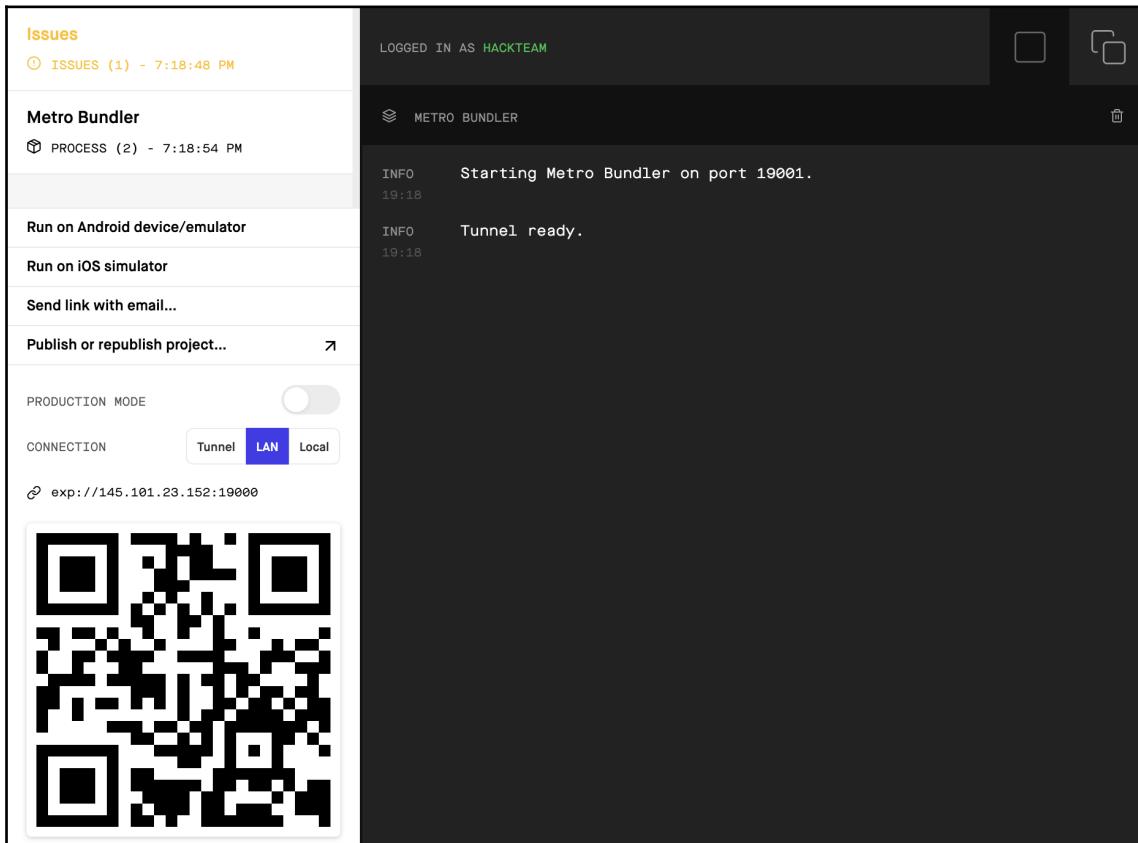
Unbranded Steel Chips

[+ Add to cart](#)

Total products: 1

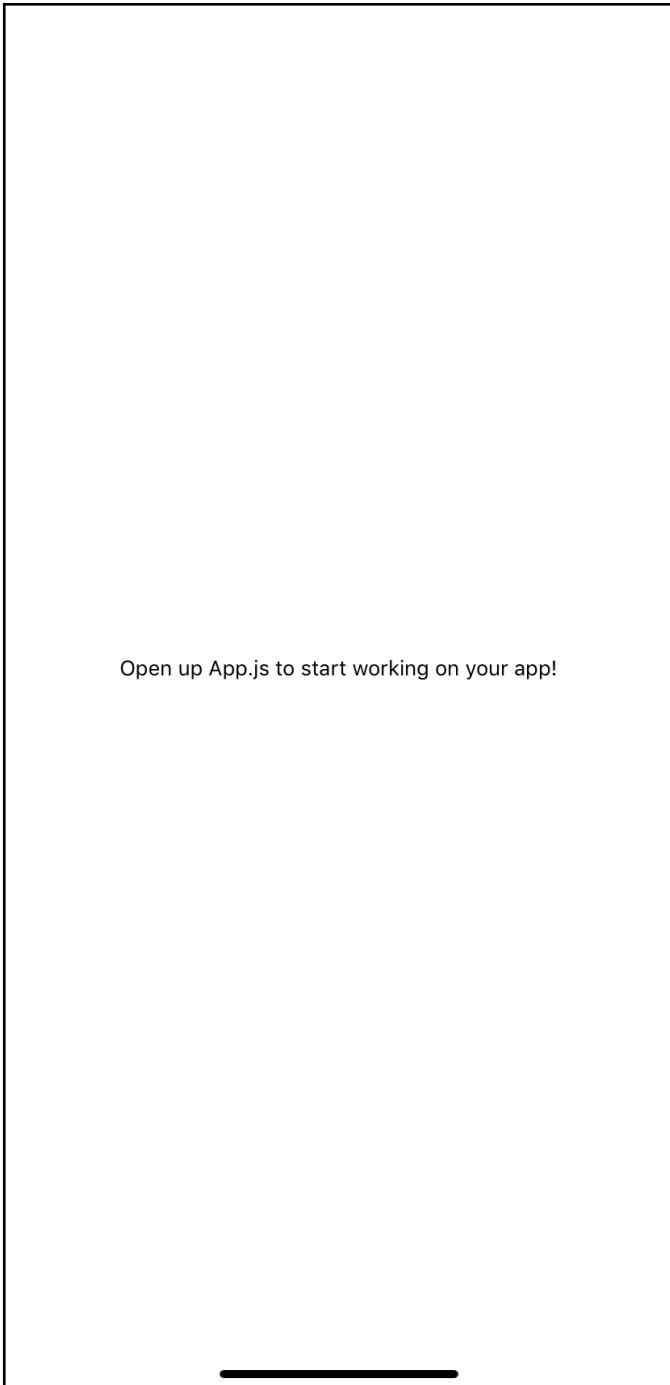
[Checkout](#)

# Chapter 8: Build a House Listing Application with React Native and Expo



---

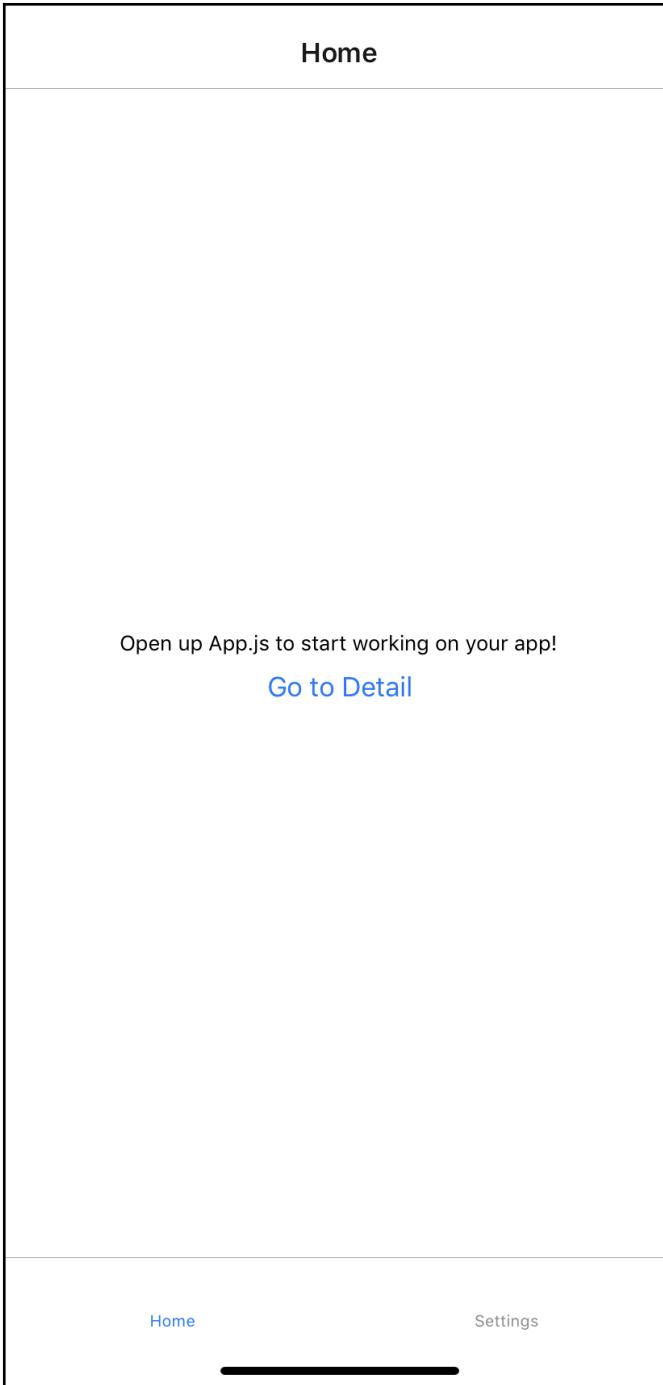
Open up App.js to start working on your app!



---

[ 29 ]

---



# Home

Open up App.js to start working on your app!

[Go to Detail](#)

Home

Settings

---

## Home

Canalside house  
Old center townhouse  
Centrally located apartment  
Downtown apartment  
Fairytale castle

[Home](#)

Settings

---

Home



Canalside  
house  
**\$350,000**



Old center  
townhouse  
**\$800,000**



Centrally located  
appartment  
**\$280,000**

[Home](#)

[Settings](#)

Home



Canalside  
house  
**\$350,000**



Old center  
townhouse  
**\$800,000**



Centrally located  
appartement  
**\$280,000**



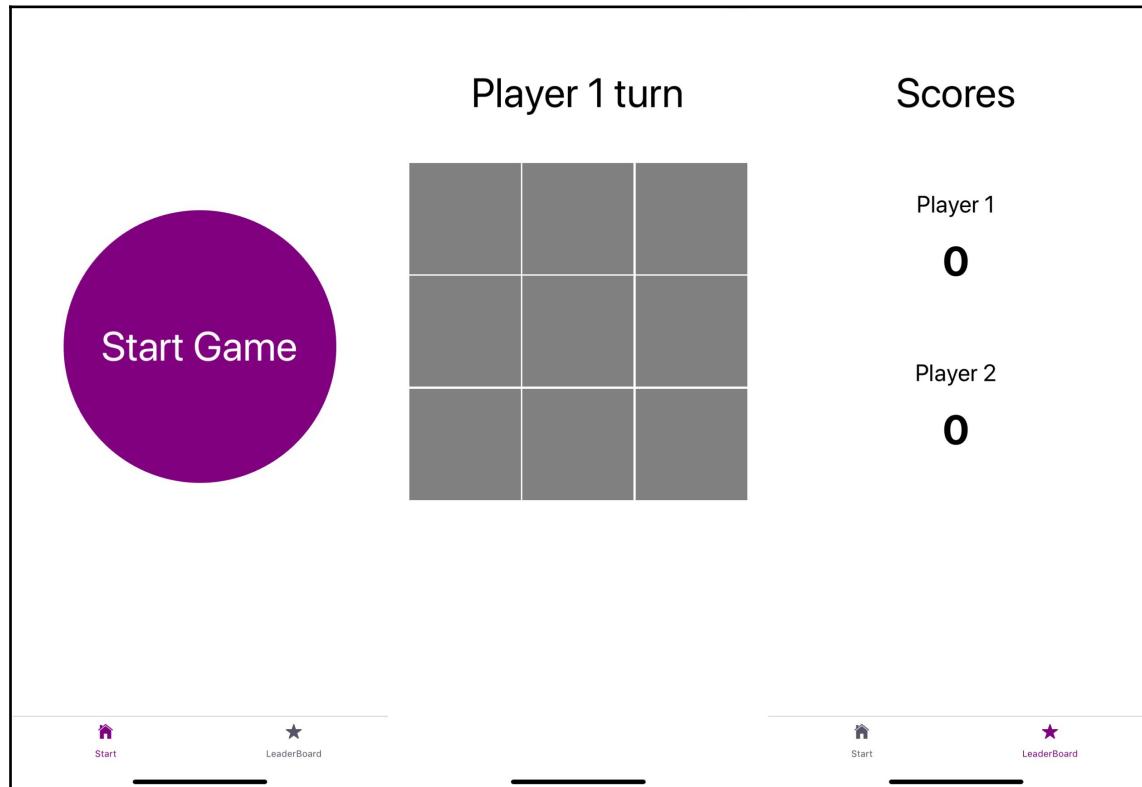
Home



Settings

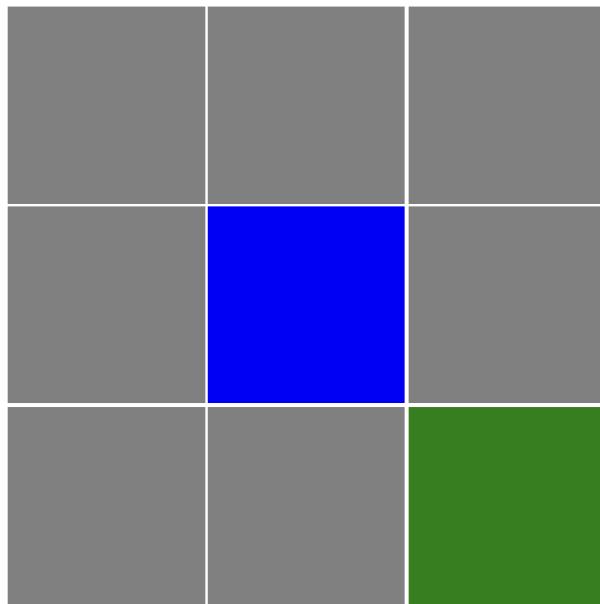


# Chapter 9: Build an Animated Game Using React Native and Expo



---

Player 1 turn



Player 1 wins

Player 1 wins

Player 1 wins



Start again

View scores

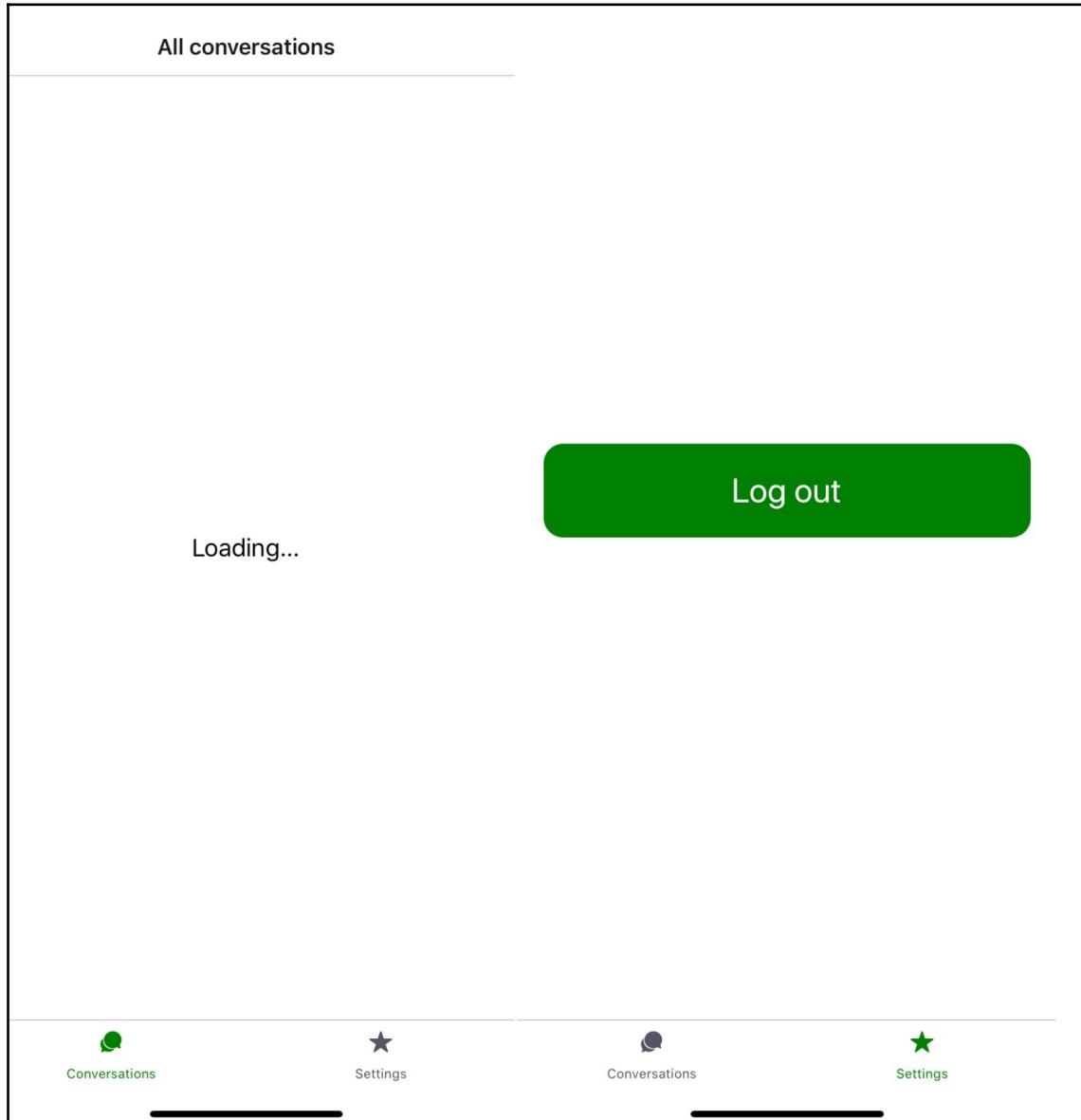
Start again

View scores

Start again

View scores

# Chapter 10: Creating a Real-Time Messaging Application with React Native and Expo



---

```
Windows IP Configuration
```

```
Ethernet adapter Ethernet0:
```

```
Connection-specific DNS Suffix . . . . .  
IPv6 Address . . . . . : 2a02:2f01:5060:9cb:3499:3b63:e8ab:5967  
Temporary IPv6 Address . . . . . : 2a02:2f01:5060:9cb:e9d9:4dbb:4ddc:a934  
Link-local IPv6 Address . . . . . : fe80::3499:3b63:e8ab:5967%4  
IPv4 Address . . . . . : 192.168.1.107  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : fe80::1eb7:2cff:fe74:fef8%4  
192.168.1.1
```

```
Tunnel adapter Teredo Tunneling Pseudo-Interface:
```

```
Connection-specific DNS Suffix . . . . .  
IPv6 Address . . . . . : 2001:0:9d38:90d7:285a:3873:3f57:fe94  
Link-local IPv6 Address . . . . . : fe80::285a:3873:3f57:fe94%13  
Default Gateway . . . . . :
```

## All conversations

Back

Conversation



**Kade**

The AGP hard drive is down, bypass the optical system we can generate the PNG application!

Try to connect the AGP panel, maybe it will navigate the virtual bandwidth!



**Meredith**

calculating the monitor won't do anything, we need to calculate the haptic IB microchip!

Use the optical XSS feed, then you can parse the back-end bus!



**Aurelio**

We need to bypass the neural SSL port!

calculating the bus won't do anything, we need to parse the primary SAS transmitter!



**Mallie**

The PNG driver is down, synthesize the cross-platform so we can input the TCP circuit!

We need to calculate the back-end JSON firewall!



**Leila**

You can't parse the bandwidth without quantifying the optical XSS bandwidth!



**Mohamed**

parsing the transmitter won't do anything, we need to generate the bluetooth COM bandwidth!



**Nella**

If we input the system, we can get to the JSON bandwidth through the cross-platform XML pixel!



**Chanel**

I'll generate the solid state JSON driver, that should port the HTTP protocol!

Your message

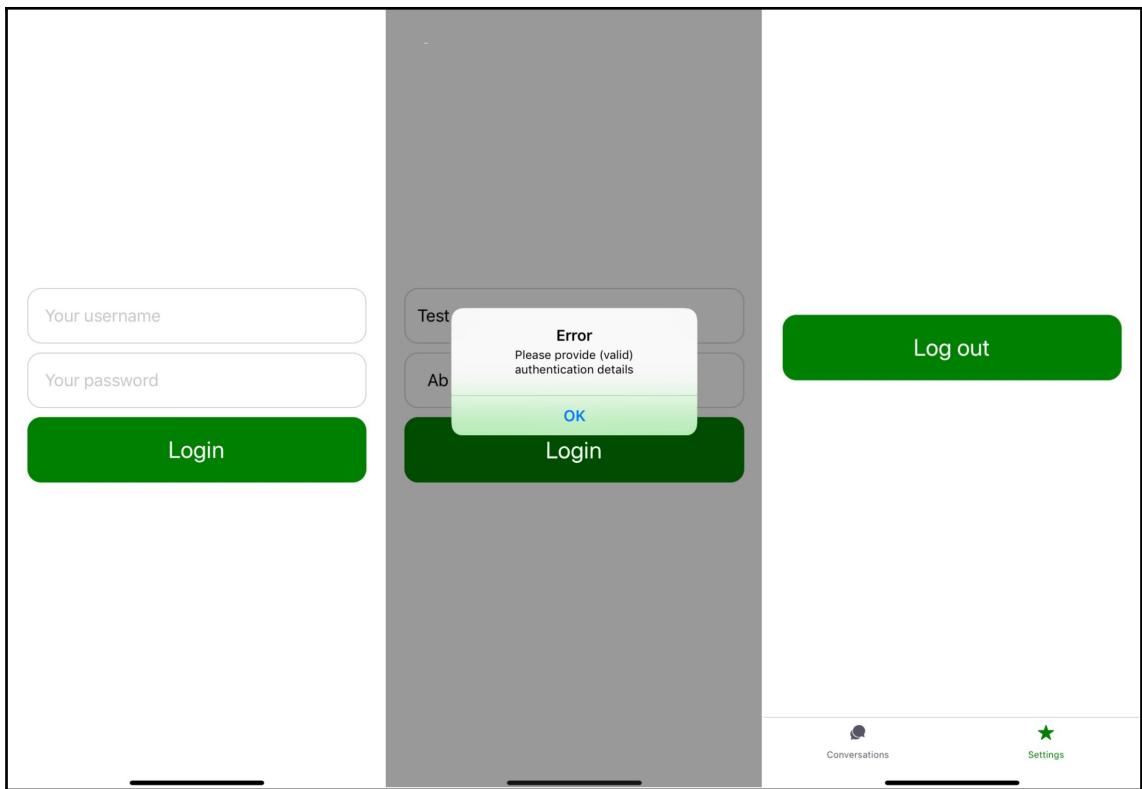


Conversations

Settings

Conversations

Settings



---

# Chapter 11: Build a Full Stack Social Media Application with React Native and GraphQL

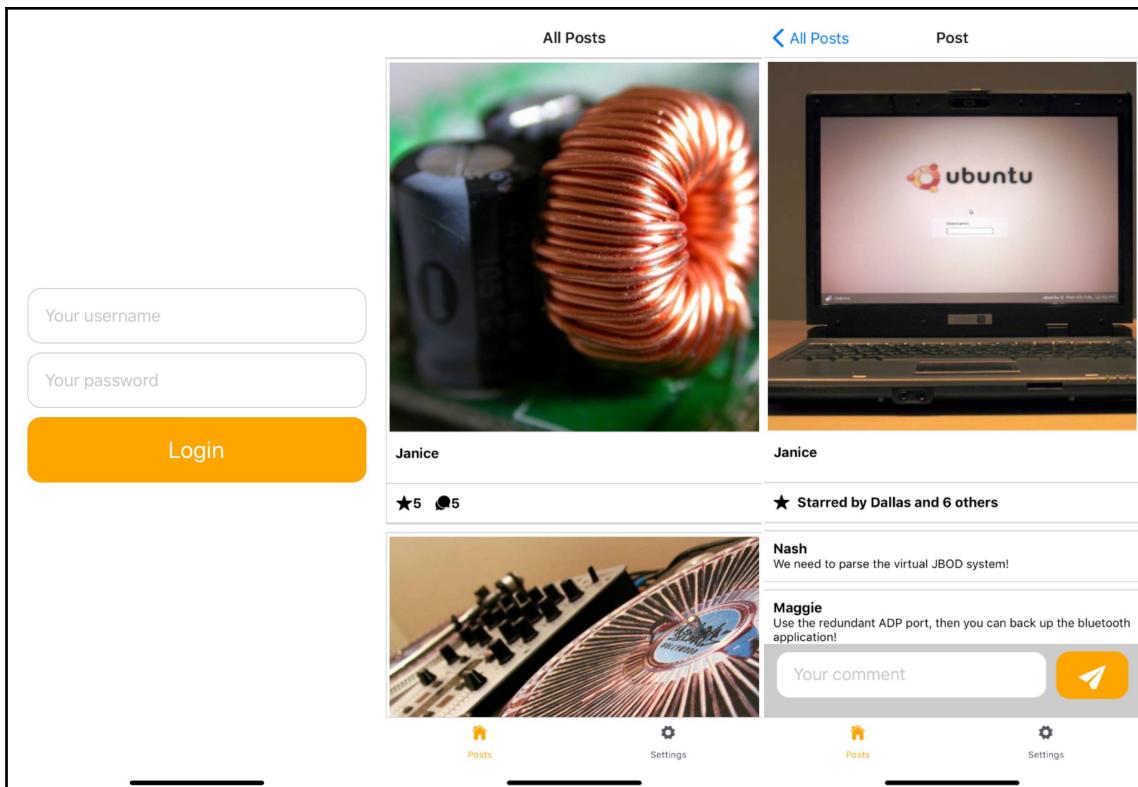
```
Windows IP Configuration

Ethernet adapter Ethernet0:

  Connection-specific DNS Suffix  . :
  IPv6 Address. . . . . : 2a02:2f01:5060:9cb:3499:3b63:e8ab:5967
  Temporary IPv6 Address. . . . . : 2a02:2f01:5060:9cb:e9d9:4dbb:4ddc:a934
  Link-local IPv6 Address . . . . . : fe80::3499:3b63:e8ab:5967%4
  IPv4 Address. . . . . : 192.168.1.107
  Subnet Mask . . . . . : 255.255.255.0
  Default Gateway . . . . . : fe80::1eb7:2cff:fe74:fef8%4
                           192.168.1.1

Tunnel adapter Teredo Tunneling Pseudo-Interface:

  Connection-specific DNS Suffix  . :
  IPv6 Address. . . . . : 2001:0:9d38:90d7:285a:3873:3f57:fe94
  Link-local IPv6 Address . . . . . : fe80::285a:3873:3f57:fe94%13
  Default Gateway . . . . . :
```



---

Add Post

Upload image

Cancel

---

---

Add Post

Upload image

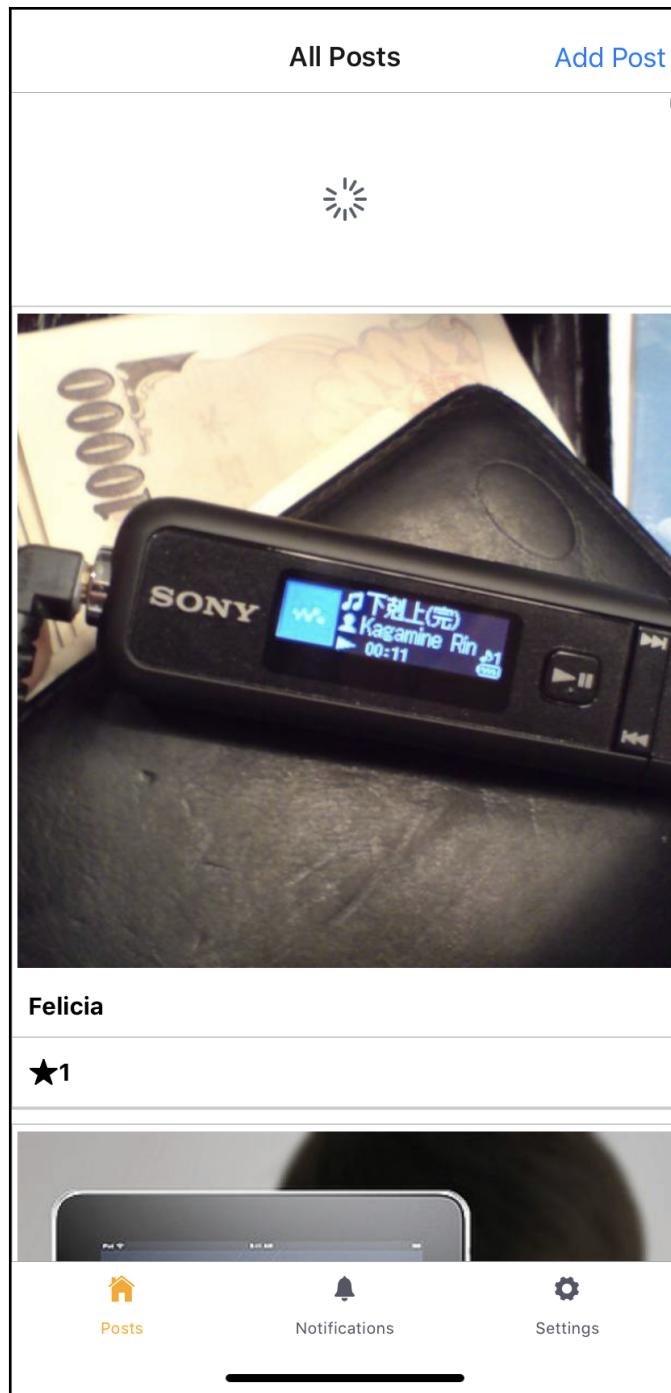
Camera

Camera roll

Cancel

Cancel

---



---

EXPO PUSH TOKEN (FROM YOUR APP)

ExponentPushToken[AABBCCC123]

MESSAGE TITLE

Test

MESSAGE BODY

This is a test



Play sound

EXPO PUSH TOKEN (FROM YOUR APP)

ExponentPushToken[AABBCCC123]

MESSAGE TITLE

Test

MESSAGE BODY

This is a test



Play sound

JSON DATA

{"title": "Test", "body": "This is a test"}

---

# Chapter 12: Creating a Virtual Reality Application with React 360

