

Início da aula

Entrar no projeto da API e configurar o sistema de segurança CORS para permitir a utilização pelo Frontend

No projeto da API instalar o pacote do CORS

```
npm install cors
```

Atualizar no código no INDEX

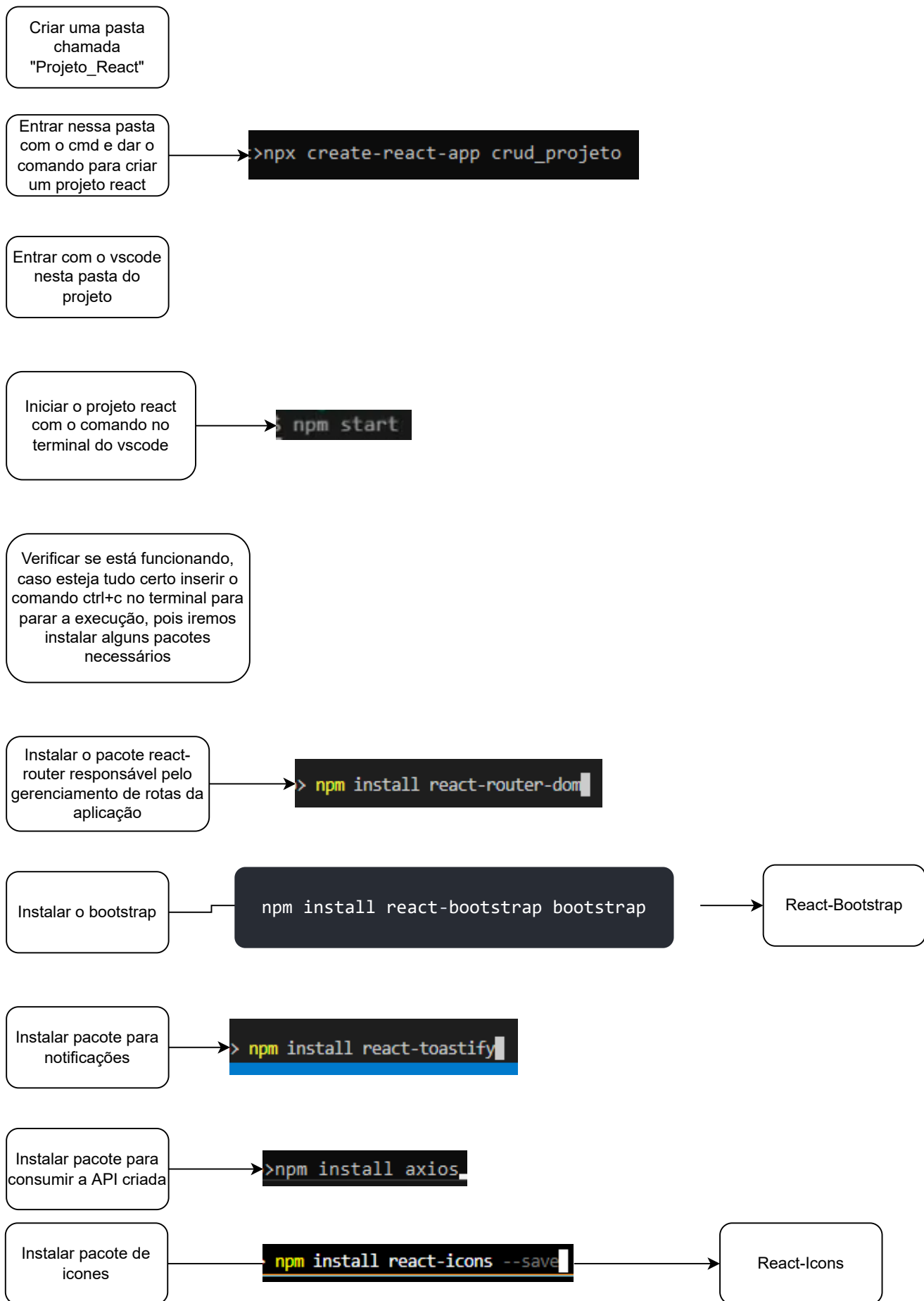
```
JS index.js > ...
1 //Importar o pacote do express
2 const express = require("express")
3
4 //Importar a conexão com o banco
5 const db = require("../config/dbConnect")
6
7 //Importar a entidade Movie
8 const Movie = require("../models/Movie")
9
10 //Importar as rotas
11 const movieRoutes = require("../routes/movieRoutes")
12
13 //Inicializar o pacote
14 const server = express()
15
16 //Importar o CORS
17 const cors = require('cors')
18
19 //Verificando se deu certo ou errado a conexão e abrindo um caminho de comunicação
20 db.on("error", console.log.bind(console, "Erro de conexão"))
21 db.once("open", () => {
22   console.log("Conexão com o banco feita com sucesso...")
23 })
24
25 //Habilitar a leitura e recebimento de json -> Middleware (use)
26 server.use(
27   express.urlencoded({
28     extended: true,
29   })
30 )
31
32 server.use(cors())
33
34 server.use(
35   express.json(),
36   movieRoutes
37 )
38
```

Realizar o login do heroku entrando dentro da pasta do projeto e escrevendo cmd, no prompt de comando escrever o comando para realizar o login

```
heroku login
```

Com o login feito entrar no git bash na pasta e atualizar o projeto no heroku

```
$ git add .
$ git commit -am "make it better"
$ git push heroku master
```



Entrar no APP.CSS e apagar tudo

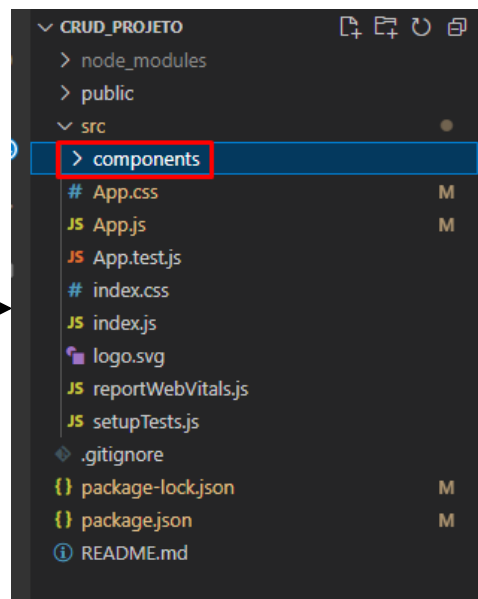
Entrar no APP.JS e apagar tudo e colocar

```
src > JS App.js > ...
1  import React from 'react'
2
3  const App = () => {
4    return(
5      <h1>Meu App de filmes</h1>
6    )
7  }
8
9  export default App
10
```

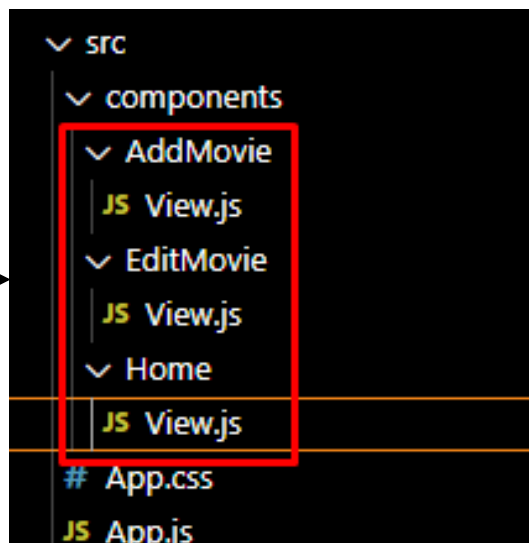
no terminal, iniciar o projeto do react novamente para ver a nova pág

```
npm start
```

Criar um pasta de components dentro do src



Dentro da pasta components criar pastas com os arquivos js das pag do app



no arquivo HOME.JS  
escrever

```
components > Home > JS Home.js > [0]
1  import React from 'react'
2
3  const Home = () => {
4    return (
5      <div>
6        <h1>Home</h1>
7      </div>
8    )
9  }
10
11  export default Home
```

no arquivo  
EDITMOVIE.JS  
escrever

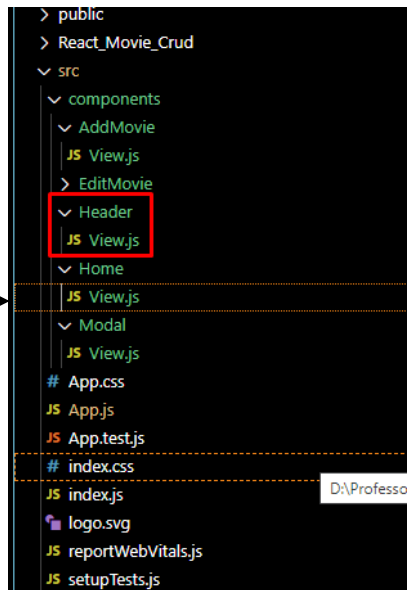
```
rc > components > EditMovie > JS EditMovie.js
1  import React from 'react'
2
3  const EditMovie = () => {
4    return(
5      <div>
6        <h1>Edit Movie</h1>
7      </div>
8    )
9  }
10
11  export default EditMovie
```

no arquivo  
ADDMOVIE.JS  
escrever

```
components > AddMovie > JS AddMovie.js
1  import React from 'react'
2
3  const AddMovie = () => {
4    return(
5      <div>
6        <h1>Add Movie</h1>
7      </div>
8    )
9  }
10
11  export default AddMovie
```

Criar um cabeçalho para navegação

Dentro da pasta components criar a pasta Header



Mostrar o site do react-bootstrap

no HEADER colocar o código

```
components > Header > JS View.js > Header

import React from "react"
import Container from 'react-bootstrap/Container'
import Nav from "react-bootstrap/Nav"
import Navbar from "react-bootstrap/Navbar"
import Button from "react-bootstrap/Button"
import Stack from "react-bootstrap/Stack"

const Header = () => {
  return(
    <Navbar bg="light" expand="lg" >
      <Container>
        <Navbar.Brand href="/">API Filmes</Navbar.Brand>
        <Navbar.Toggle aria-controls="basic-navbar-nav" />
        <Navbar.Collapse id="basic-navbar-nav">
          <Nav className="me-auto">
            <Stack direction="horizontal" gap={3}>
              <Nav.Link href="/">Home</Nav.Link>
              <Nav.Link href="/add">Adicionar filme</Nav.Link>
              <Nav.Link href="#"><Button variant="danger">Deletar Tudo</Button></Nav.Link>
            </Stack>
          </Nav>
        </Navbar.Collapse>
      </Container>
    </Navbar>
  )
}

export default Header
```

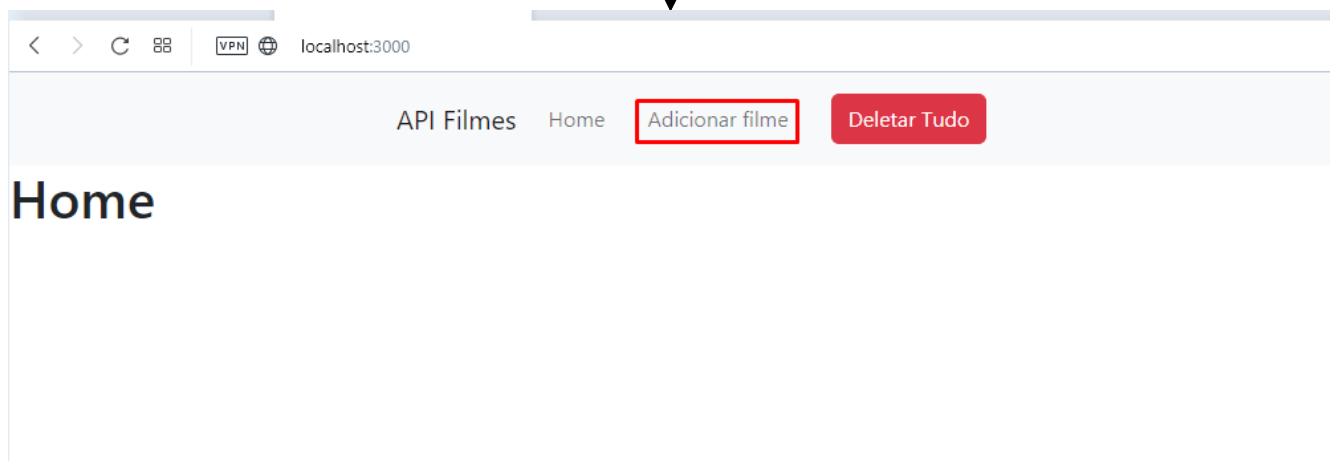
Programar as rotas  
no APP.JS

```
import React from 'react'
import {BrowserRouter, Routes, Route} from "react-router-dom"
import {ToastContainer} from "react-toastify"
import Home from "../components/Home/View"
import AddMovie from "../components/AddMovie/View"
import EditMovie from "../components/EditMovie/View"
import Header from "../components/Header/View"
import 'bootstrap/dist/css/bootstrap.min.css'
import 'react-toastify/dist/ReactToastify.css'

const App = () => {
  return(
    <BrowserRouter>
      <Header />
      <div className='App'>
        <ToastContainer position='top-center' />
        <Routes>
          <Route exact path="/" element={<Home />} />
          <Route path="/add" element={<AddMovie />} />
          <Route path="/update/:id" element={<EditMovie />} />
        </Routes>
      </div>
    </BrowserRouter>
  )
}

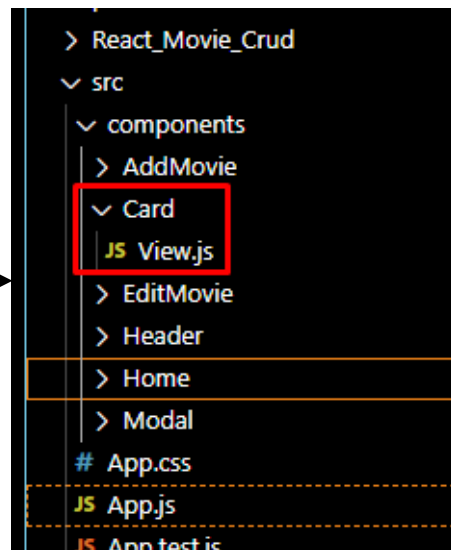
export default App
```

Ir no  
http://localhost:3000/ e  
verificar se as rotas estão  
funcionando.



Programar para aparecer a listagem de todos os filmes

Dentro da pasta components criar a pasta Card



no VIEW.JS do CARD colocar o código

```
import React from "react"
import Button from "react-bootstrap/Button"
import Card from "react-bootstrap/Card"
import Row from "react-bootstrap/Row"
import Col from "react-bootstrap/Col"
import {BsFillTrashFill} from "react-icons/bs"
import {BsFillPencilFill} from "react-icons/bs"

const CardComponent = (props) => {
  return(
    <Card style={{ width: '16rem' }} className="m-3">
      <Card.Body>
        <Card.Title className="text-center">{props.title}</Card.Title>
        <Card.Text>Index: {props.index}</Card.Text>
        <Card.Text>Ano: {props.year}</Card.Text>
        <Card.Text>Streaming: {props.streaming}</Card.Text>
        <Row className="justify-content-md-center">
          <Col md="auto"><Button variant="primary" href="#"><BsFillPencilFill/></Button></Col>
          <Col md="auto"><Button variant="danger" href="#"><BsFillTrashFill/></Button></Col>
        </Row>
      </Card.Body>
    </Card>
  )
}

export default CardComponent
```

mostrar o site do  
react-icons

Listar os filmes  
cadastrados no  
HOME

components > Home > views > Home > data.map() callback

```
import React, {useEffect, useState} from 'react'
import axios from 'axios'
import CardComponent from "../Card/View"
import Container from 'react-bootstrap/Container';
import Row from 'react-bootstrap/Row';
```

```
const Home = () => {
  const [data, setData] = useState([])

  useEffect(() => {
    getUsers()
  }, [])

  const getUsers = async () => {
    const response = await axios.get("https://api-teste-filmes.herokuapp.com/movies")
    if(response.status === 200){
      setData(response.data)
    }
  }
}
```

```
return (
  <Container>
    <h1 className='text-center'>Filmes Listados</h1>
    <Row className='justify-content-md-center'>
      {data && data.map((item, index) => {
        //Ternário
        const isStreaming = item.streaming ? "Sim" : "Não"
        return(
          <CardComponent key={item._id} title={item.name} index={index + 1} year={item.year} streaming={isStreaming} id={item._id}/>
        )
      })}
    </Row>
  </Container>
)
```

```
export default Home
```



Colocar o efeito de  
carregar na pág  
HOME

```
import React, {useEffect, useState} from 'react'
import axios from 'axios'
import CardComponent from "../Card/View"
import Container from 'react-bootstrap/Container';
import Row from 'react-bootstrap/Row';
import Spinner from "react-bootstrap/Spinner"

const Home = () => {
  const [data, setData] = useState([])
  const [isLoading, setIsLoading] = useState(true)

  useEffect(() => {
    getUsers()
  }, [])

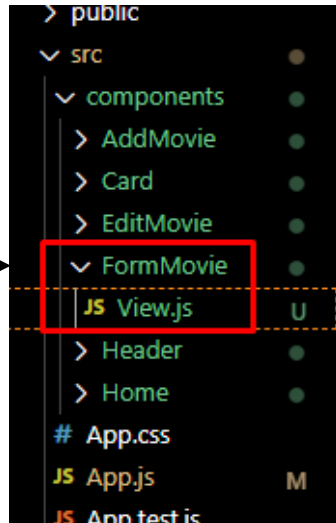
  const getUsers = async () => {
    const response = await axios.get("https://api-teste-filmes.herokuapp.com/movies")
    if(response.status === 200){
      setData(response.data)
      setIsLoading(false)
    }
  }

  return (
    <Container>
      <h1 className='text-center'>Filmes Listados</h1>
      {isLoading ? <Row className="justify-content-md-center"><Spinner animation="border" role="status" className="m-5"/></Row> :
        <Row className='justify-content-md-center'>
          {data && data.map((item, index) => {
            //Ternário
            const isStreaming = item.streaming ? "Sim" : "Não"
            return(
              <CardComponent key={item._id} title={item.name} index={index + 1} year={item.year} streaming={isStreaming} id={item._id}/>
            )
          })}
        </Row>
      </Container>
    )
  )
}

export default Home
```

Programar para  
adicionar um filme

dentro da pasta  
components criar a  
pasta FormMovie, com  
o componente do  
formulário



no VIEW do  
FORMMOVIE colocar  
o código

```
import React from "react";
import Button from 'react-bootstrap/Button';
import Form from 'react-bootstrap/Form';
import Container from 'react-bootstrap/Container';

const FormMovie = (props) => {

  return (
    <Container>
      <Form onSubmit={props.submit}>
        <Form.Group className="mb-3">
          <Form.Label>Nome do filme</Form.Label>
          <Form.Control type="Text" placeholder="Digite o nome do filme..." name='name' onChange={props.change} value={props.valueName}/>
        </Form.Group>

        <Form.Group className="mb-3">
          <Form.Label>Ano</Form.Label>
          <Form.Control type="number" placeholder="Digite o ano do filme..." name="year" onChange={props.change} value={props.valueYear}/>
        </Form.Group>

        <Form.Group className="mb-3">
          <Form.Check type="checkbox" label="Está no streaming ?" name="streaming" onChange={props.change} value={props.valueStreaming} checked={props.isChecked}/>
        </Form.Group>
        <Button variant="primary" type="submit" >
          Salvar
        </Button>
      </Form>
    </Container>
  );
};

export default FormMovie;
```

no VIEW do  
ADDMOVIE colocar o  
codigo

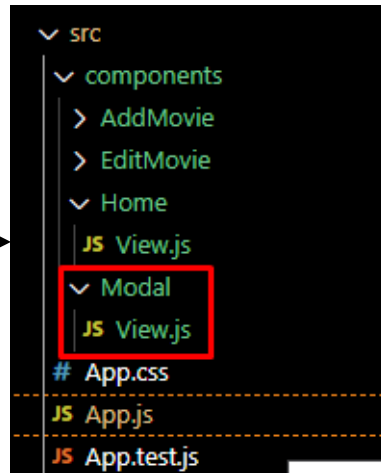
```
1  import React, {useState} from 'react'
2  import {useNavigate} from "react-router-dom"
3  import axios from "axios"
4  import FormMovie from "../FormMovie/View"
5  import { toast } from 'react-toastify'
6
7  const initialState = {}
8    name: "",
9    year: 0,
10   streaming: false
11 }
12
13 const AddMovie = () => {
14   const [state, setState] = useState(initialState)
15
16   const {name, year, streaming} = state
17
18   const navigate = useNavigate()
19
20   const addMovie = async (data) => {
21     const response = await axios.post("https://api-teste-filmes.herokuapp.com/movie", data)
22     if (response.status === 201) {
23       toast.success("Filme cadastrado com sucesso !!!")
24     }
25   }
26
27   const handleSubmit = (e) => {
28     e.preventDefault()
29     if (!name || !year){
30       toast.error("Os campos de nome e ano são obrigatórios !!!")
31     }else{
32       addMovie(state)
33       navigate("/")
34     }
35   }
36
37   const handleInputChange = (e) => {
38     let {name, value} = e.target
39     if (name === "streaming"){
40       if (value === "false"){
41         value = false
42       } else {
43         value = true
44       }
45       setState({...state,[name]:!value})
46     }else{
47       setState({...state,[name]:value})
48     }
49   }
50
51   return(
52     <div>
53       <h1 className="title" style={{textAlign: "center"}}>Cadastrar um Filme</h1>
54       <div className='form'>
55         <FormMovie change={handleInputChange} valueName={name} valueYear={year} valueStreaming={streaming} submit={handleSubmit}/>
56       </div>
57     </div>
58   )
59 }
60
61 export default AddMovie
```

Programar para deletar somente 1 filme

Fazer um botão de modal

Dentro da pasta components criar uma pasta Modal

no VIEW.JS do MODAL colocar o código



```
1 import axios from 'axios'
2 import React, {useState} from 'react'
3 import {
4   Button,
5   Modal
6 } from "react-bootstrap"
7 import {toast} from 'react-toastify'
8
9 const ModalButton = (props) => {
10   const [show, setShow] = useState(false)
11   const handleClose = () => setShow(false)
12   const handleShow = () => setShow(true)
13
14   const refreshPage = () => {
15     window.location.reload(false);
16   }
17
18   const deleteMovie = async () => {
19     const response = await axios.delete(`https://api-teste-filmes.herokuapp.com/movie/${props.idItem}`)
20     if(response.status === 200){
21       handleClose()
22       refreshPage()
23     } else {
24       toast.error("Ocorreu um erro no processo !!!")
25     }
26   }
27
28   return(
29     <div>
30       <Button variant="danger" onClick={handleShow}>
31         {props.buttonLabel}
32       </Button>
33
34       <Modal show={show} onHide={handleClose}>
35         <Modal.Header closeButton>
36           <Modal.Title>Deletar Filme</Modal.Title>
37         </Modal.Header>
38         <Modal.Body>{props.modalContext}</Modal.Body>
39         <Modal.Footer>
40           <Button variant="secondary" onClick={handleClose}>Close</Button>
41           <Button variant="danger" onClick={deleteMovie}>Delete</Button>
42         </Modal.Footer>
43       </Modal>
44     </div>
45   )
46 }
47
48 export default ModalButton
49
```

Adicionar o modal na  
VIEW do componente  
CARD

```
1 import React from "react"
2 import Button from "react-bootstrap/Button"
3 import Card from "react-bootstrap/Card"
4 import Row from "react-bootstrap/Row"
5 import Col from "react-bootstrap/Col"
6 import {BsFillTrashFill} from "react-icons/bs"
7 import {BsFillPencilFill} from "react-icons/bs"
8 import ModalButton from "../Modal/View"
9
10 const CardComponent = (props) => {
11   const id = props.id
12   return(
13     <Card style={{ width: '16rem' }} className="m-3">
14       <Card.Body>
15         <Card.Title className="text-center">{props.title}</Card.Title>
16         <Card.Text>Index: {props.index}</Card.Text>
17         <Card.Text>Ano: {props.year}</Card.Text>
18         <Card.Text>Streaming: {props.streaming}</Card.Text>
19         <Row className="justify-content-md-center">
20           <Col md="auto"><Button variant="primary" href="#"><BsFillPencilFill/></Button></Col>
21           <Col md="auto"><ModalButton buttonLabel = {<BsFillTrashFill/>} idItem = {id} modalContext = "Tem certeza que deseja deletar este filme ?"/></Col>
22         </Row>
23       </Card.Body>
24     </Card>
25   )
26 }
27
28 export default CardComponent
```

Programar para  
deletar tudo

no VIEW do  
componente CARD  
adicionar o código

```
4 import Navbar from "react-bootstrap/Navbar"
5 import Button from "react-bootstrap/Button"
6 import Stack from "react-bootstrap/Stack"
7 import axios from "axios"
8 import { toast } from 'react-toastify'
9 import { useNavigate } from 'react-router-dom'
10
11 const Header = () => {
12   const navigate = useNavigate()
13
14   const refreshPage = () => {
15     window.location.reload(false);
16   }
17
18   const handlerDeleteButton = async () => {
19     if (window.confirm("Tem certeza que deseja deletar TODOS os filmes ?")){
20       const response = await axios.delete("https://api-teste-filmes.herokuapp.com/movies/deleteall")
21       if (response.status === 200){
22         navigate("/")
23         refreshPage()
24       } else {
25         toast.error("Não foi possível deletar tudo !!!")
26       }
27     }
28   }
29
30   return(
31     <Navbar bg="light" expand="lg" >
32       <Container>
33         <Navbar.Brand href="/">API Filmes</Navbar.Brand>
34         <Navbar.Toggle aria-controls="basic-navbar-nav" />
35         <Navbar.Collapse id="basic-navbar-nav">
36           <Nav className="me-auto">
37             <Stack direction="horizontal" gap={3}>
38               <Nav.Link href="/">Home</Nav.Link>
39               <Nav.Link href="/add">Adicionar filme</Nav.Link>
40               <Nav.Link onClick={handlerDeleteButton}><Button variant="danger">Deletar Tudo</Button></Nav.Link>
41             </Stack>
42           </Nav>
43         </Navbar.Collapse>
44       </Container>
45     </Navbar>
46   )
47 }
```

Programar para editar  
as informações de 1  
filme

no VIEW do  
componente  
EDITMOVIE,  
adicionar o código

```
1 import React, {useEffect, useState} from 'react'
2 import {useNavigate, useParams} from "react-router-dom"
3 import axios from "axios"
4 import FormMovie from "../FormMovie/View"
5 import { toast } from 'react-toastify'
6
7 const initialState = {
8   name: "",
9   year: 0,
10  streaming: false
11 }
12
13 const EditMovie = () => {
14   const [state, setState] = useState(initialState)
15
16   const {name, year, streaming} = state
17
18   const navigate = useNavigate()
19
20   const {id} = useParams()
21
22   useEffect(() => {
23     if(id){
24       getSingleUser(id)
25     }
26   }, [])
27
28   const getSingleUser = async (id) => {
29     const response = await axios.get(`https://api-teste-filmes.herokuapp.com/movie/${id}`)
30     if (response.status === 200) {
31       setState({...response.data})
32     }
33   }
34
35   const updateMovie = async (data, id) => {
36     const response = await axios.put(`https://api-teste-filmes.herokuapp.com/movie/${id}`, data)
37     if (response.status === 200) {
38       toast.success("Filme atualizado com sucesso !!!")
39     }
40   }
41
42   const handleSubmit = (e) => {
43     e.preventDefault()
44     if (!name || !year){
45       toast.error("Os campos de nome e ano são obrigatórios !!!")
46     }else{
47       updateMovie(state, id)
48       navigate("/")
49     }
50   }
51
52   const handleInputChange = (e) => {
53     let {name, value} = e.target
54     if (name === "streaming"){
55       if (value === "false"){
56         value = false
57       } else {
58         value = true
59       }
60     }
61     setState({...state, [name]:!value})
62   }else{
63     setState({...state, [name]:value})
64   }
65 }
66
67 return(
68   <div>
69     <h1 className="title" style={{textAlign: "center"}}>Editar um Filme</h1>
70     <div className='form'>
71       <FormMovie change={handleInputChange} valueName={name} valueYear={year} valueStreaming={streaming} submit={handleSubmit} isChecked = {streaming}/>
72     </div>
73   </div>
74 )
75 }
76
77 export default EditMovie
```

no VIEW do componente  
CARD, adicionar o  
caminho da pagina de  
edição com o id

```
import React from "react"
import Button from "react-bootstrap/Button"
import Card from "react-bootstrap/Card"
import Row from "react-bootstrap/Row"
import Col from "react-bootstrap/Col"
import {BsFillTrashFill} from "react-icons/bs"
import {BsFillPencilFill} from "react-icons/bs"
import ModalButton from "../Modal/View"

const CardComponent = (props) => {
  const id = props.id
  return(
    <Card style={{ width: '16rem' }} className="m-3">
      <Card.Body>
        <Card.Title className="text-center">{props.title}</Card.Title>
        <Card.Text>Index: {props.index}</Card.Text>
        <Card.Text>Ano: {props.year}</Card.Text>
        <Card.Text>Streaming: {props.streaming}</Card.Text>
        <Row className="justify-content-md-center">
          <Col md="auto"><Button variant="primary" href="/update/${id}"><BsFillPencilFill/></Button></Col>
          <Col md="auto"><ModalButton buttonLabel = {<BsFillTrashFill/>} idItem = {id} modalContext = "Tem certeza que deseja deletar este filme ?"/></Col>
        </Row>
      </Card.Body>
    </Card>
  )
}

export default CardComponent
```