

Day11-1

Indian IT & Covid-19

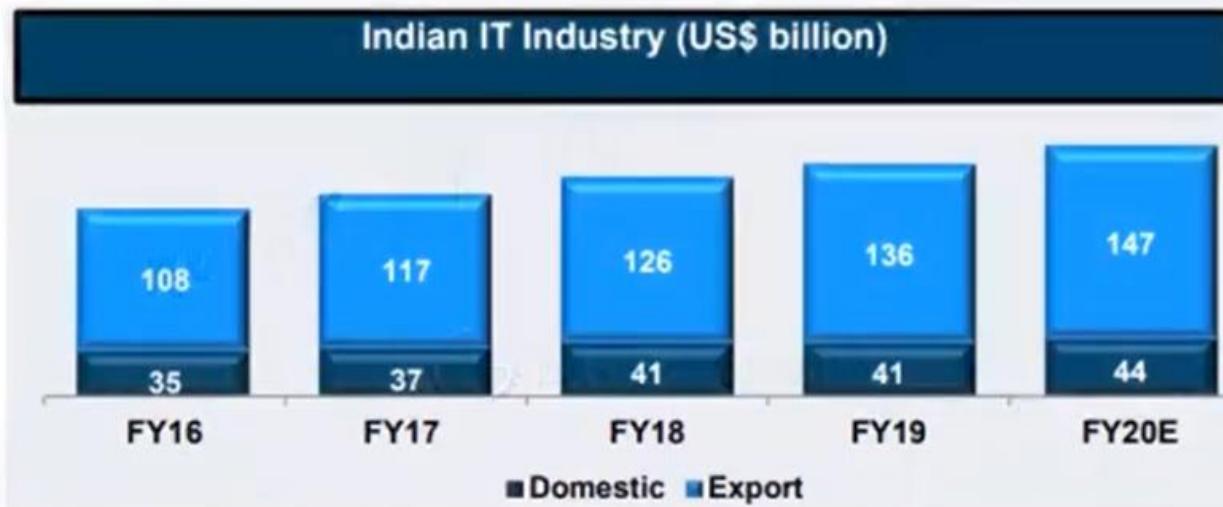


LG Soft India

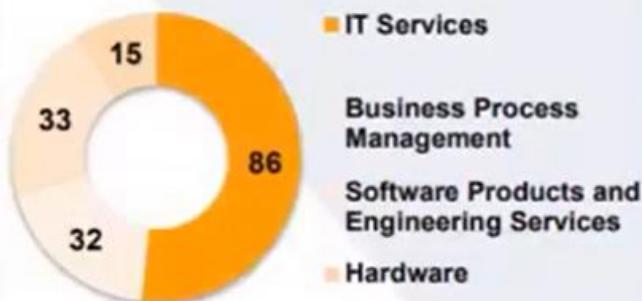
Industry Overview



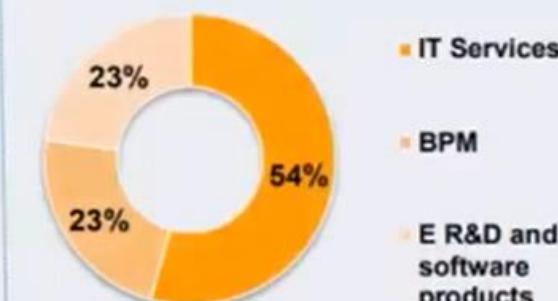
IT & BPM Industry is one of the largest forex generator



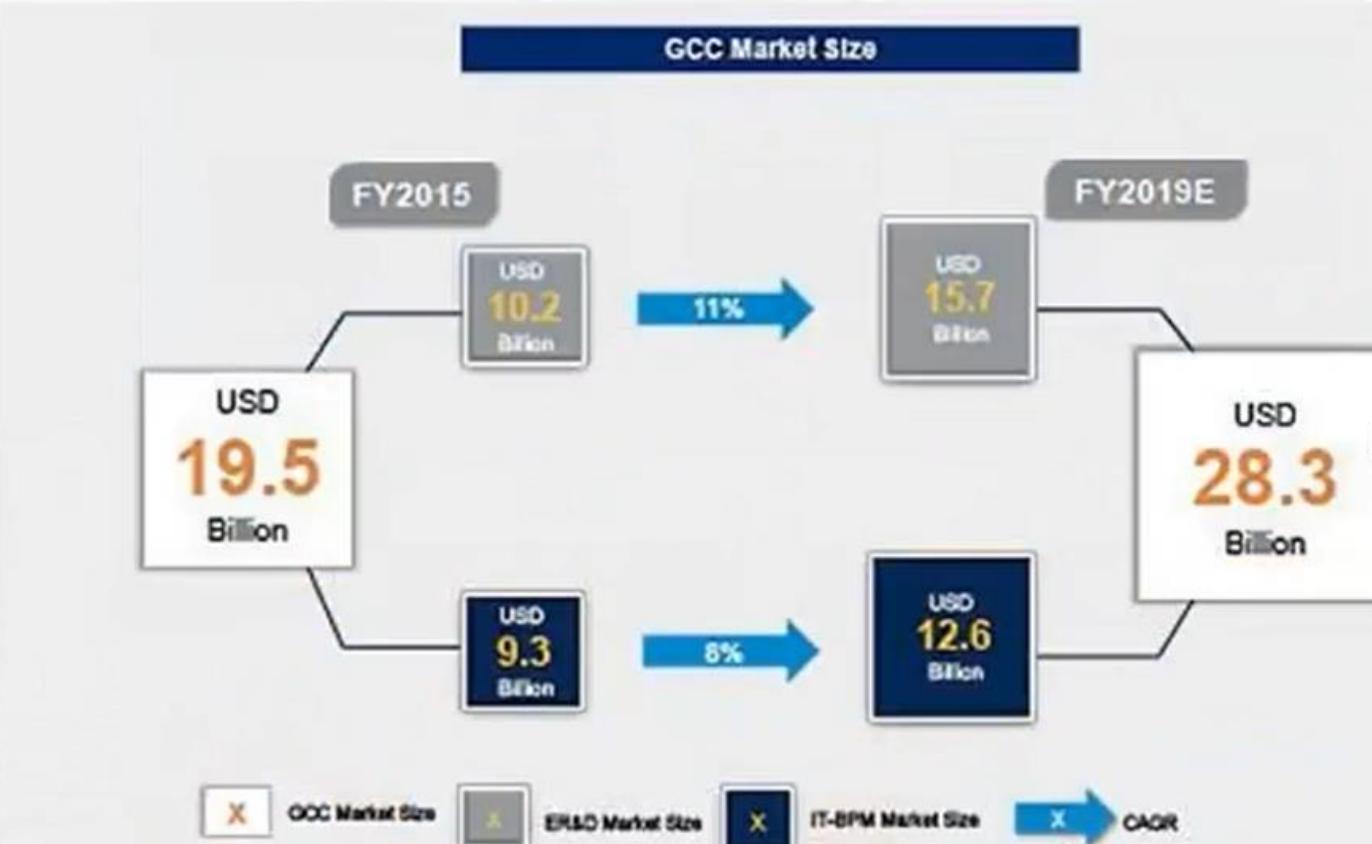
Sector-wise Break-up of Indian IT market
(US\$ billion) FY19



Sector-wise Break-up of Export Revenue
FY19



Global Capability Centers are now key drivers

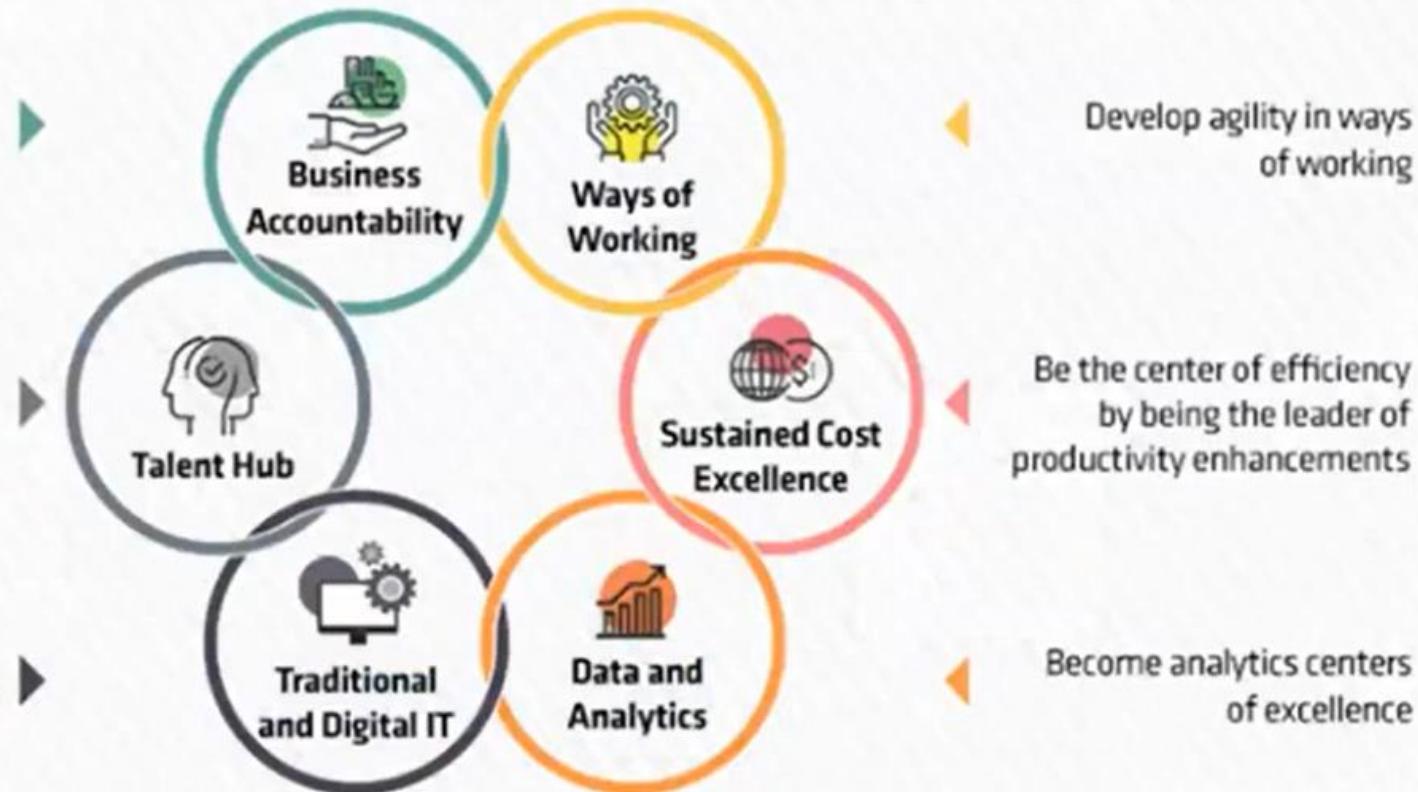


Why GCCs are in India?

Responsible for key enterprise priorities bringing measurable improvements

Investment in high quality leadership and create world-class talent hub

Placement of digital IT at the heart of the organization while taking traditional IT alongside



Develop agility in ways of working

Be the center of efficiency by being the leader of productivity enhancements

Become analytics centers of excellence

Trends in IT industry

Mega Trend

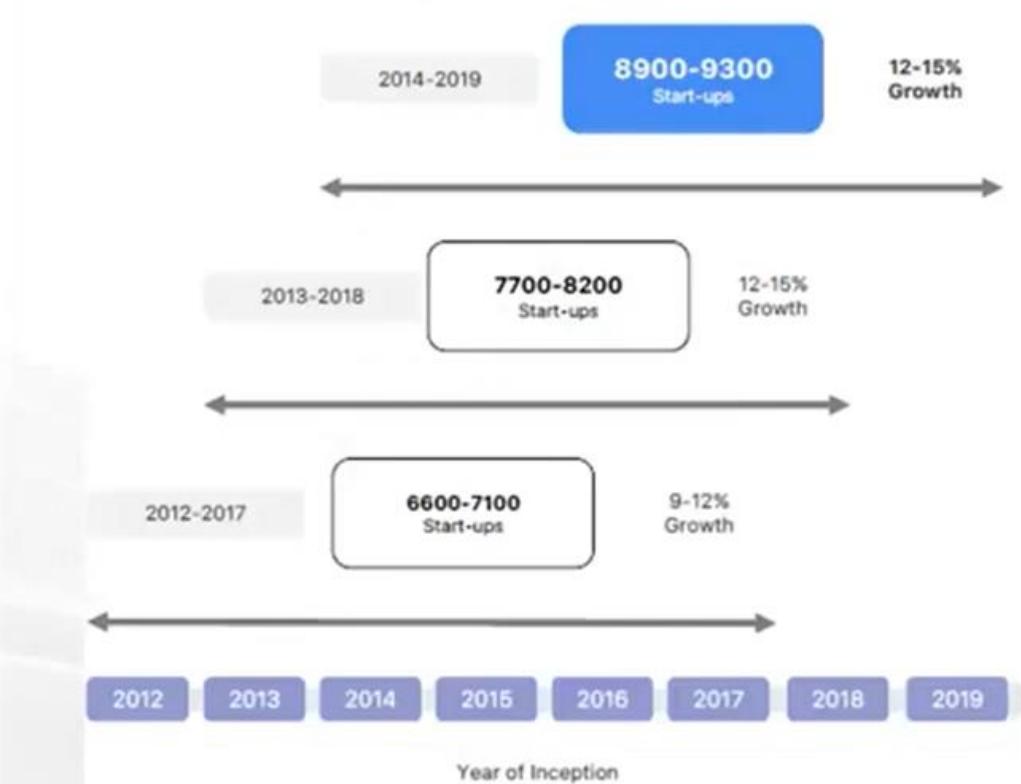
- ✓ Asia Economic Emergence
- ✓ Mass Urbanization & Hyper-Personalization
- ✓ Environmental Sustainability
- ✓ Data-Led Economy
- ✓ Disruptive future work

Tech Trend

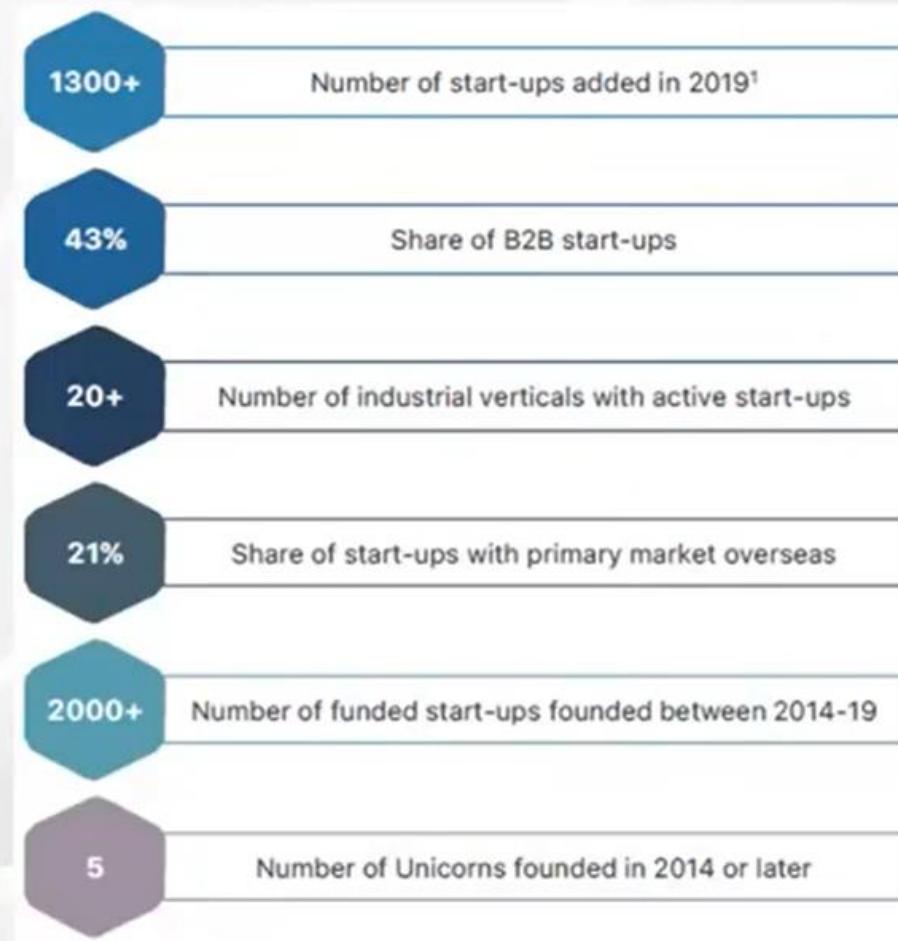
- ✓ Cloud Computing
- ✓ AI, Big Data & Analytics
- ✓ Cybersecurity
- ✓ Internet of Things
- ✓ 3D printing
- ✓ Robotics
- ✓ Blockchain
- ✓ Immersive Media

Start-ups in India

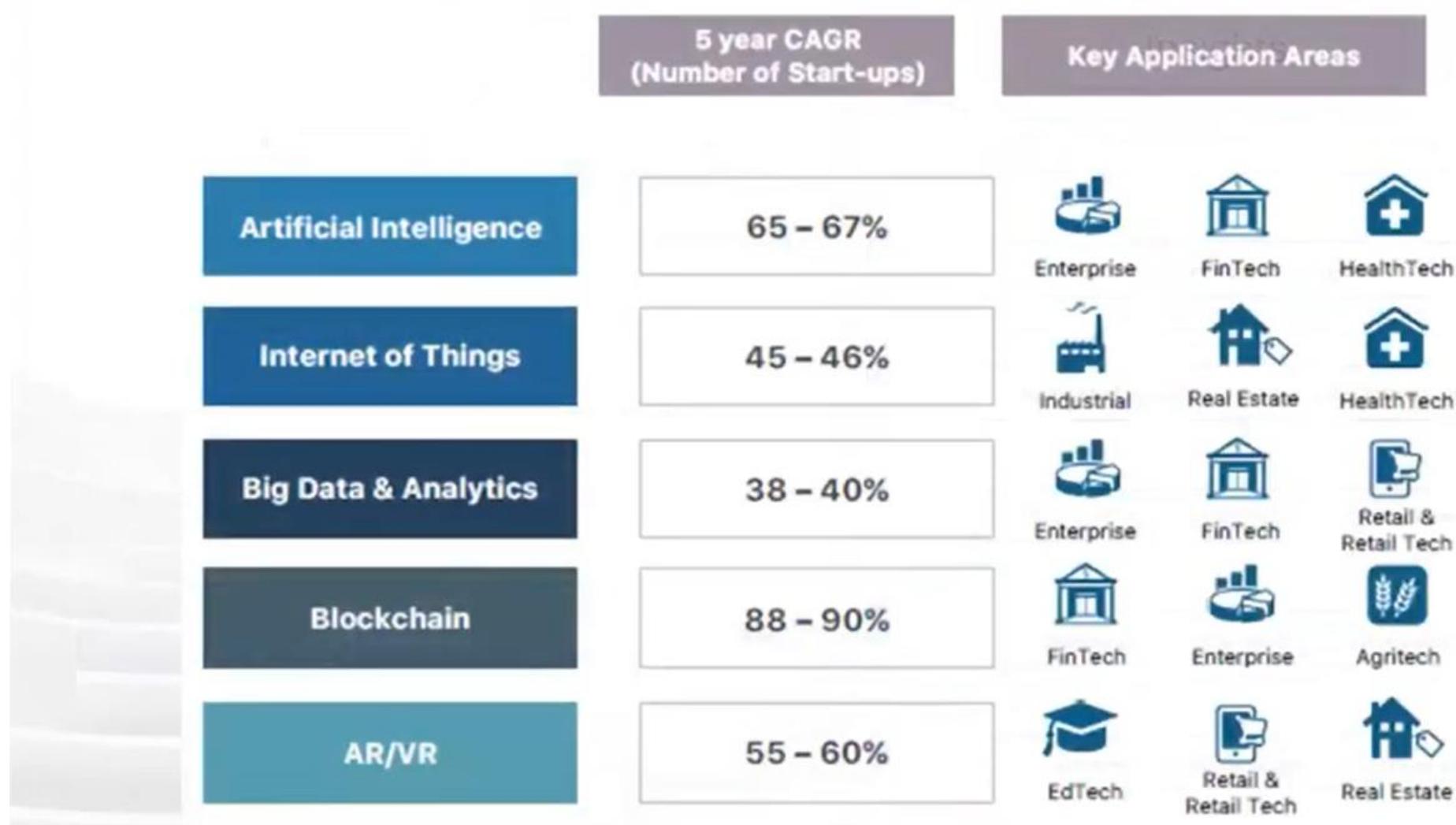
Growth Trend



Insights



Technology trends reflected in Start-up



Why Start-ups are growing?

Incubators, Accelerators and Government Policies

350+

Academia

Set-up and operated by an academic institution with direct involvement from faculty with a full-time team

45+

Corporate

Set-up and operated by a large Indian enterprise or Global MNC – with a full-time team

55+

Private

Set-up and operated either by an investor or a group of investors

70+

Public

Set-up and operated by a Govt agency/body or an industry association

Internet is game changer for domestic digital industry



75% Internet user
from Rural area



730 Mn Internet
Users



Mobile Video growing
at 83% CAGR in 5 yrs



70% e-commerce
transaction via mobile
175Mn online shopper



75% new user
consume local lang

Covid-19 issue of a Century



Work outlook as a result of Covid-19

Distributed Workplace



- Remote Working (WFH/ WFA)
- Performance Monitoring and Tracking Tools
- Evolving Workplace Models

Digital Infrastructure



- Investments for enabling distributed workplace
- Increased focus on Cybersecurity
- Evolving role of CIOs and Digital Trust

Workplace Transformation



- Sanitization Initiatives
- New Office Layouts
- Contact-less Access Controls

Evolving Engagement Models



- Threat Alertness
- Distributed Support Function
- New Business Segments

Turn adversity into opportunity

Covid-19 will fast pace digital transformation into a revolution

Intelligentization and modernization of governmental governance



Digital platforms and big data

Decentralization of city clusters + central cities



New smart cities and parks

Acceleration of healthcare system digital transformation



Online healthcare services

Accelerating rise of contactless businesses and services

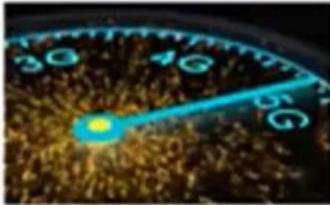


Online classroom and education

Acceleration of the China+1 global supply chain strategy



Remote office and online activities



5G industry applications



Unmanned commerce and services



Fresh food e-commerce



Supply chain management



Manufacturing and service robots

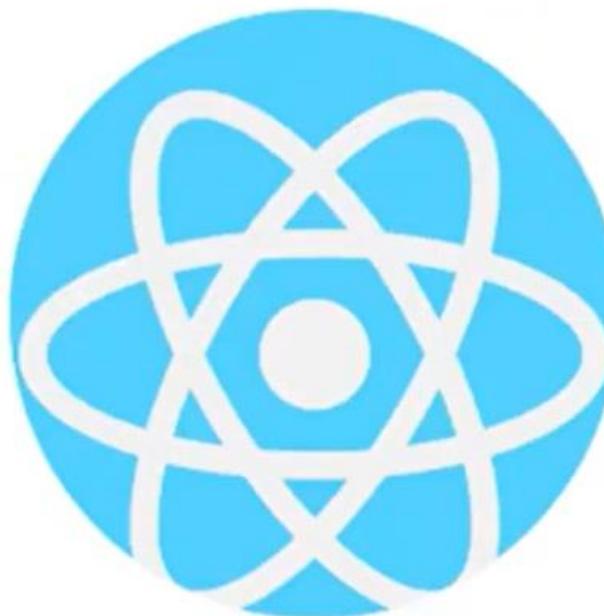


Best of Luck

Day11-2

React.js

App Development



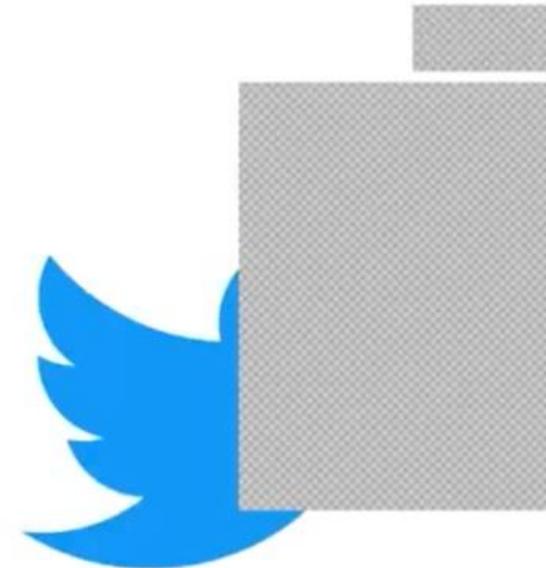


What is React.js?

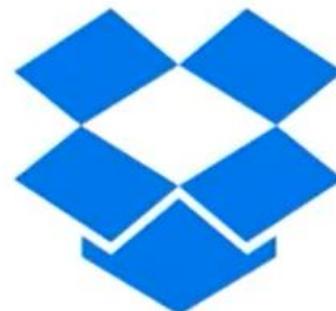
Why was React Developed?



Who uses React?



The New York Times



Why should I use React?

React concepts

Components



```
function Welcome( ) {  
    return <h1>Hello World</h1>;  
}
```



CodeSandbox: Online IDE for React

codesandbox.io/index2

Gmail - Email from... Anime Study DenseNet Online Project Man...

CodeSandbox Features Explore Resources Support Pricing Sign In Create Sandbox

Black Lives Matter. Support the Okra Project

Web Development Made Faster

An instant IDE and prototyping tool for rapid web development.

Create a Sandbox, it's free

No signup required



ENG 09:46
INTL 07-08-2020

CodeSandbox: Online IDE for Ra [x] +

codesandbox.io/index2

Gmail - Email from... Anime Study DenseNet Online Project Man...

CodeSandbox Features Explore Resources Support Pricing Sign In Create Sandbox

IDE Embed CI Teams What's New

Web Development Made Faster

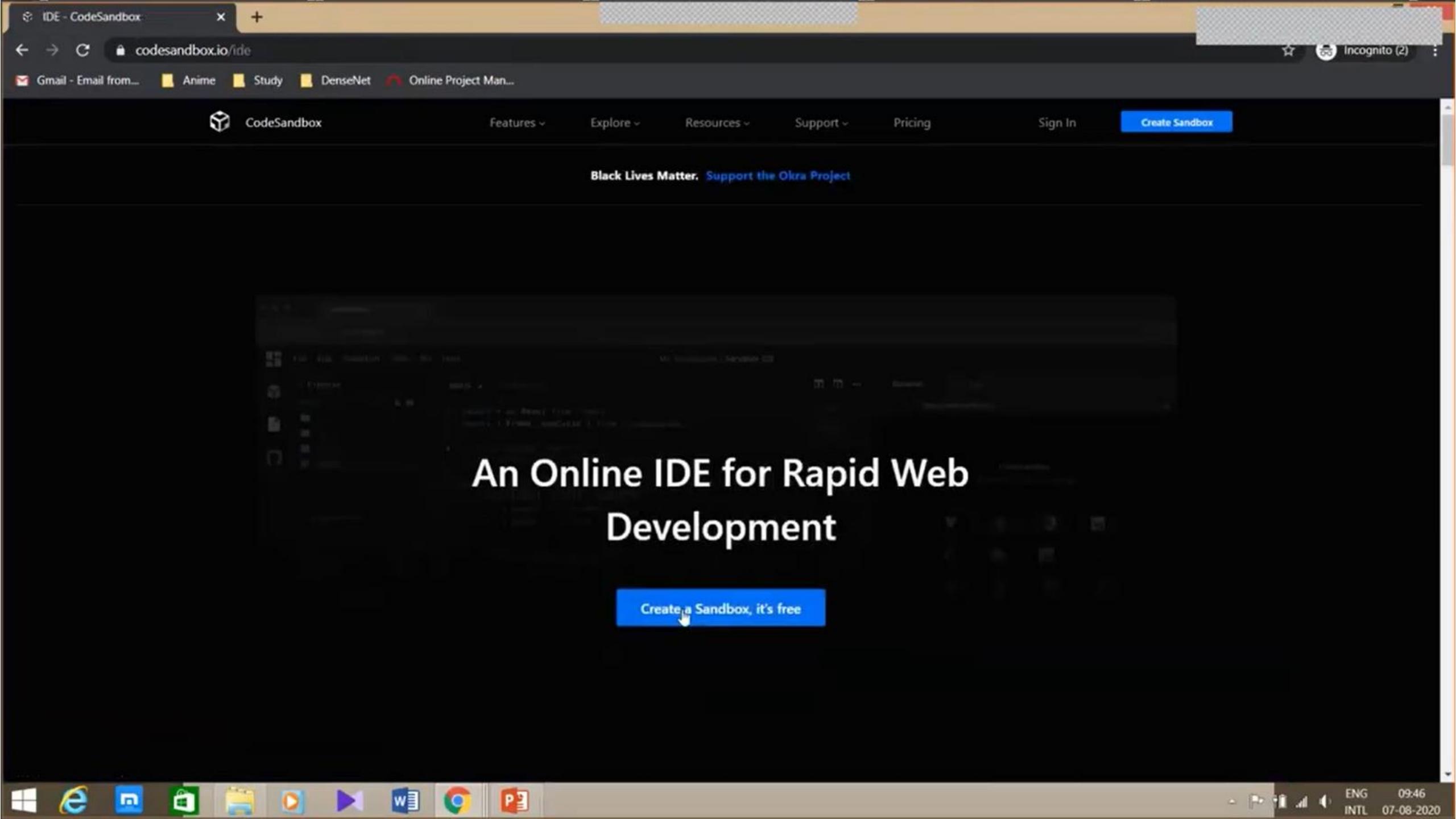
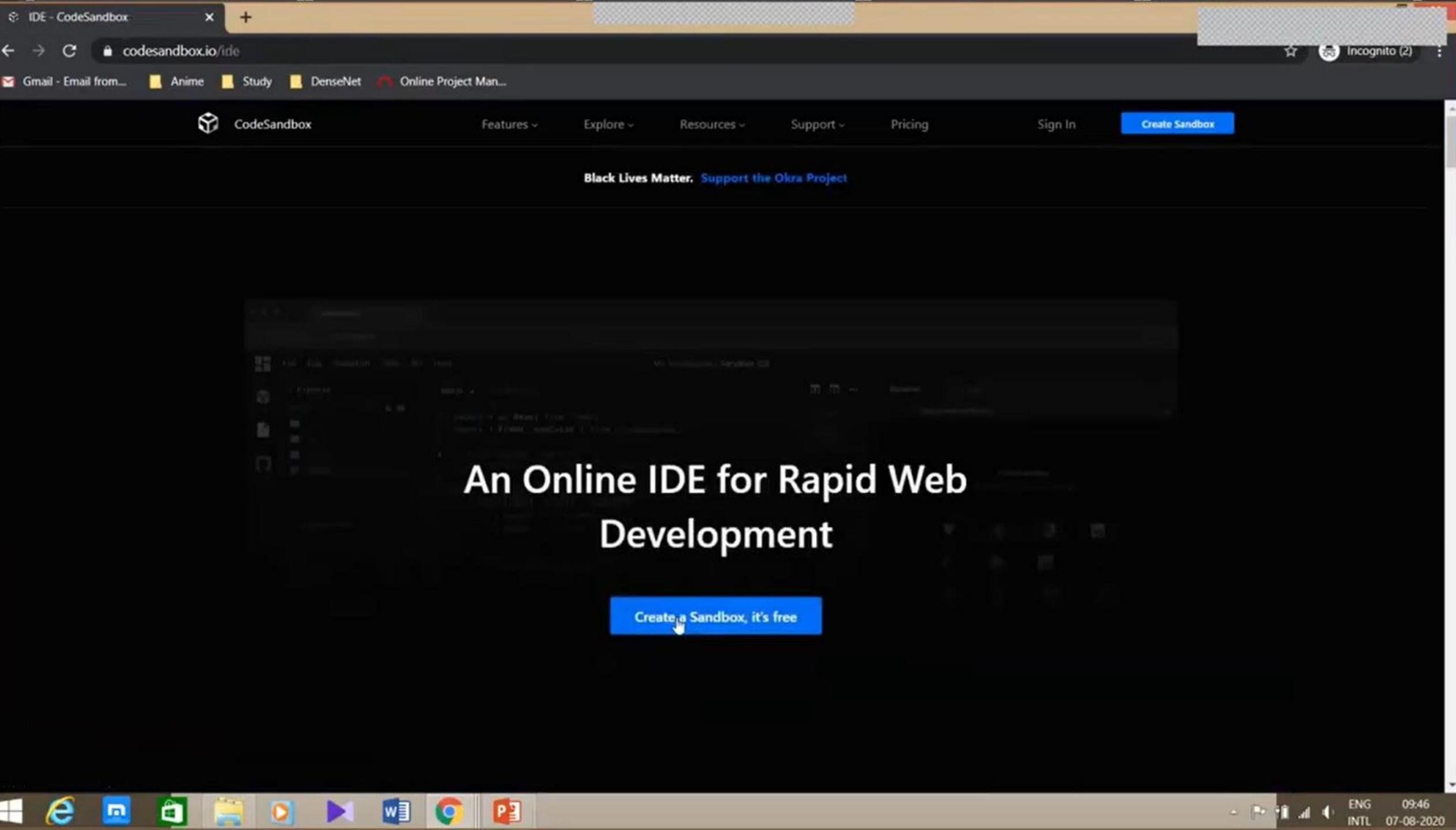
An instant IDE and prototyping tool for rapid web development.

Create a Sandbox, it's free

No signup required

<https://codesandbox.io/ide>

ENG 09:46 07-08-2020 INTL



Create a new Sandbox - CodeSandbox

codesandbox.io/s/

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Files

What's new

+ Create Sandbox

★ Explore Templates

Import Project

Dependencies

External reso

Create Sandbox

Sign in to create and bookmark templates for later use.

Official Templates

Template	Language	Created by	Views
React	JS	CodeSandbox	0+2
Vue	JS	CodeSandbox	0+3
static	JS	CodeSandbox	0+5
Preact	JS	CodeSandbox	0+7
Vanilla Typescript	TS	CodeSandbox	0+9
Vanilla	JS	CodeSandbox	0+2
Angular	TS	CodeSandbox	0+4
Node HTTP Server	JS	CodeSandbox	0+6
React Typescript	TS	CodeSandbox	0+8
zeit/next.js: hello-world	TSX	CodeSandbox	0+1

Filter Templates

ENG 09:46
INTL 07-08-2020

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / fragrant-sky-4dvs4

0 0 Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

js App.js

```
1 import React from "react";
2 import "./styles.css";
3
4 export default function App() {
5   return (
6     <div className="App">
7       <h1>Hello CodeSandbox</h1>
8       <h2>Start editing to see some magic happen!</h2>
9     </div>
10  );
11}
12
```

Browser Tests

https://4dvs4.csb.app/

Hello CodeSandbox

Start editing to see some magic happen!

f3feea3e Initializing JS/TS language features

Console Problems React DevTools

Ln 1, Col 1 Spaces: 2 UTF-8 LF JavaScript

ENG 09:47 INTL 07-08-2020

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
- welocem.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests

https://4dvs4.csb.app/

Hello CodeSandbox

Start editing to see some magic happen!

Console Problems React DevTools

f3feeeaa3e Ln 1, Col 1 Spaces: 2 UTF-8 CRLF JavaScript

ENG 09:47 INTL 07-08-2020

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/welocem.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
 - welocem.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests

https://4dvs4.csb.app/

Hello CodeSandbox

Start editing to see some magic happen!

Console Problems React DevTools

f3feeee3e Ln 5, Col 4 Spaces: 2 UTF-8 CRLF JavaScript

ENG 09:50 INTL 07-08-2020

```
1 import React from 'react'
2 const Welcome =() =>{
3   return(
4     <div> Welcome to LG training </div>
5   )
6 }
7
8 export default Welcome;
```

fragrant-sky-4dvs4 - CodeSandbox +

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - Welcome.js
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS Welcome.js ● JS App.js ●

```
1 import React from "react";
2 import Welcome from './Welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       <Welcome />
9     </div>
10  );
11}
12
```

Browser Tests https://4dvs4.csb.app/ Welcome to LG training

f3feeeaa3e

Console Problems React DevTools

Ln 8, Col 18 Spaces: 2 UTF-8 LF JavaScript

ENG 09:52 INTL 07-08-2020

Props

FILE HOME INSERT DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW

Cut Copy Format Painter Paste New Slide Section Layout Reset AV Aa A Convert to SmartArt Text Direction Align Text Quick Styles Shape Fill Shape Outline Shape Effects Find Replace Select

Slide Show Resume Slide Show

Paragraph Drawing Editing

9

10

Props

11

12

State

Like input to a component.
Passed down from parent to child
Just like inputs to a function.

13

NOTES COMMENTS

SLIDE 10 OF 17 ENGLISH (INDIA) 73%

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/Welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Welcome.js
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests

https://4dvs4.csb.app/

Welcome to LG training

var name: any

```
1 import React from 'react'
2 const Welcome =({name}) =>{
3   return(
4     <div> Welcome to LG training {name}</div>
5   )
6 }
7
8 export default Welcome;
```

Console Problems React DevTools

f3feeeaa3e Ln 4, Col 39 Spaces: 2 UTF-8 CRLF JavaScript

ENG 09:56 INTL 07-08-2020

fragrant-sky-4dvs4 - CodeSandbox +

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - Welcome.js
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests https://4dvs4.csb.app/ Welcome to LG training on 7th August 2020

```
1 import React from "react";
2 import Welcome from './Welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       <Welcome name="From 7th August 2020"/>
9     </div>
10  );
11}
12
```

Console Problems React DevTools

f3feeeaa3e Ln 8, Col 40 Spaces: 2 UTF-8 LF JavaScript

09:57 ENG INTL 07-08-2020

fragrant-sky-4dvs4 - CodeSandbox +

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / fragrant-sky-4dvs4 0 Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - Welcome.js
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS Welcome.js ● JS App.js ●

```
1 import React from "react";
2 import Welcome from './Welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       <Welcome name="on 7th August 2020"/>
9       <Welcome name="CU Students"/>
10      <Welcome name="KNU Students"/>
11    </div>
12  );
13}
14
```

Browser Tests https://4dvs4.csb.app/

Welcome to LG training on 7th August 2020
Welcome to LG training CU Students
Welcome to LG training KNU Students

Console Problems React DevTools

f3feeeaa3e Ln 10, Col 26 Spaces: 2 UTF-8 LF JavaScript

Windows 10: ENG 10:04 INTL 07-08-2020

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - Welcome.js
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests

https://4dvs4.csb.app/

Welcome to LG training on 7th August 2020 9.30 AM
Welcome to LG training CU Students 9.32 AM
Welcome to LG training KNU Students 9.35 AM

Console Problems React DevTools

f3feeee3e

Ln 10, Col 47 Spaces: 2 UTF-8 LF JavaScript

ENG 10:06 INTL 07-08-2020

```
1 import React from "react";
2 import Welcome from './Welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       <Welcome name="on 7th August 2020" time="9.30 AM"/>
9       <Welcome name="CU Students" time="9.32 AM"/>
10      <Welcome name="KNU Students" time="9.35 AM"/>
11    </div>
12  );
13}
14
```

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/Welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Welcome.js •
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests

https://4dvs4.csb.app/

Welcome to LG training on 7th August 2020 9.30 AM
Welcome to LG training CU Students 9.32 AM
Welcome to LG training KNU Students 9.35 AM

```
1 import React from 'react'
2 const Welcome = (props) => {
3     return(
4         <div> Welcome to LG training {props.name} {props.time} </div>
5     )
6 }
7
8 export default Welcome;
```

Console Problems React DevTools

f3feea3e Ln 2, Col 17 Spaces: 2 UTF-8 CRLF JavaScript

ENG 10:08 INTL 07-08-2020

State

FILE HOME DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW

Cut Copy Format Painter Paste New Slide Section Layout Reset

B I U S abc AV Aa A Paragraph

Text Direction Align Text Convert to SmartArt

Slide Show Resume Slide Show

Find Replace Select

Drawing Quick Styles Shape Effects Editing

9

Props

10

11

12 State

13

Represents internal state of the component
State component is impure function
When state changes the return method is called automatically

State

NOTES COMMENTS

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/Button.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - Welcome.js
 - index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests https://4dvs4.csb.app/

```
import React from 'react';
const Button = () =>{
  return(
    <Button></Button>
  );
}
export default Button;
```

Console Problems React DevTools

f3feeee3e Ln 9, Col 22 Spaces: 2 UTF-8 CRLF JavaScript

ENG 10:20 INTL 07-08-2020

fragrant-sky-4dvs4 - CodeSandbox

codesandbox.io/s/fragrant-sky-4dvs4?file=/src/Input.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / fragrant-sky-4dvs4

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
- Welcome.js
- index.js
- styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests https://4dvs4.csb.app/

```
import React from 'react';
const Input =() =>{
  return(
    <input></input>
  );
};
export default Input;
```

Console Problems React DevTools

f3feee3e Ln 9, Col 22 Spaces: 2 UTF-8 CRLF JavaScript

ENG 10:22 INTL 07-08-2020

epic-elion-wbk2r - CodeSandbox

codesandbox.io/s/epic-elion-wbk2r?file=/src/Welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / epic-elion-wbk2r

Embed Copy Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - Welcome.js
- index.js
- styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS Welcome.js ● JS index.js JS Input.js ● JS Button.js ● JS App ...

Browser Tests

https://wbk2r.csb.app/

Welcome To LG training on 7th August 2020 submit 0

Welcome To LG training CU students at 9.30 AM submit 0

Welcome To LG training KNU students at 9.45 AM submit 0

Console Problems React DevTools

Ln 1, Col 5 Spaces: 2 UTF-8 CRLF JavaScript

f3feeee3e

Windows Internet Explorer Microsoft Edge File Explorer Microsoft Word Microsoft Excel Microsoft PowerPoint Microsoft OneNote 10:56 ENG INTL 07-08-2020

epic-elion-wbk2r - CodeSandbox +

codesandbox.io/s/epic-elion-wbk2r?file=/src/Input.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / epic-elion-wbk2r

Files

- Welcome.js
- index.js
- Input.js
- Button.js
- App.js
- Browser Tests

1 import React from 'react';
2
3 const Input = ({handleChange}) => {
4 return(
5 <input onChange={handleChange}></input>
6)
7 };
8
9
10 export default Input;

https://wbk2r.csb.app/

Welcome To LG training on 7th August 2020
Praveen submit Praveen

Welcome To LG training CU students at 9.30 AM
submit 0

Welcome To LG training KNU students at 9.45 AM
submit 0

Dependencies

- react 16.12.0
- react-dom 16.12.0
- react-scripts 3.0.1

Add dependency

External resources

f3feea3e

Ln 11, Col 1 Spaces:2 UTF-8 CRLF JavaScript

Console Problems React DevTools

ENG 10:57 INTL 07-08-2020



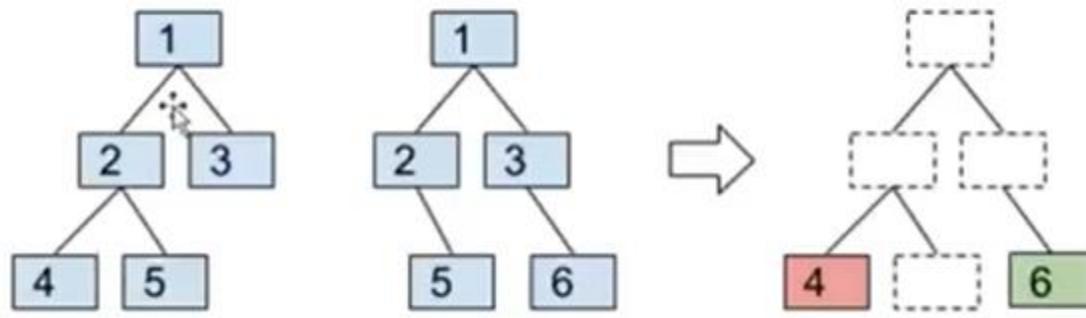
Virtual DOM

The screenshot shows the Microsoft PowerPoint ribbon. The 'HOME' tab is selected, displaying various editing tools like Cut, Copy, Paste, and Format Painter. Below the ribbon, there's a toolbar with icons for New Slide, Layout, Reset, and Section. A dropdown menu for 'Slide Show' is open, showing options like 'Slide Show' and 'Resume Slide Show'. The main slide area is currently empty.



Virtual DOM

The virtual DOM is used for efficient re-rendering of the DOM.
React aims to re-render the virtual tree only when the state changes.
Uses 2 virtual trees (new and previous) to find differences and batch update real DOM.
Observes data changes (`setState`) and does dirty-checking to know when to re-render component.
Whenever possible, does not update entire component in real DOM - only computes a patch operation that updates part of the DOM.



FILE HOME DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW Sign in

Cut Copy Format Painter Paste New Slide Section Layout Reset AV Aa Text Direction Align Text Convert to SmartArt

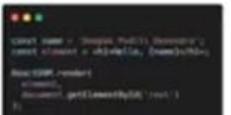
Slide Show Resume Slide Show

Text Direction Align Text Convert to SmartArt

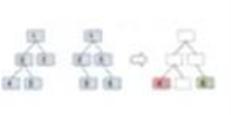
Arrange Quick Styles Shape Fill Shape Outline Shape Effects

Find Replace Select

14 JSX

15 

16 Virtual DOM

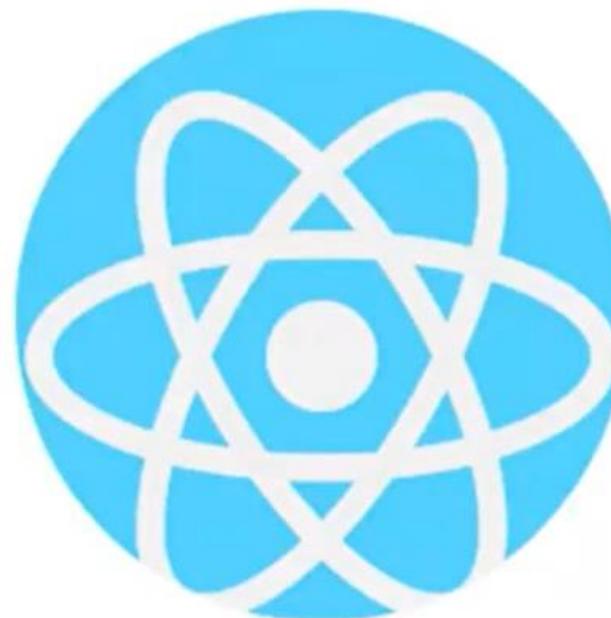
17 

The virtual DOM is used for efficient re-rendering of the DOM
React aims to re-render the virtual tree only when the state changes
Uses 2 virtual trees (new and previous) to find differences and batch update real DOM
Observes data changes (`setState`) and does dirty-checking to know when to re-render component
Whenever possible, does not update entire component in real DOM - only computes a patch operation that updates part of the DOM

Day12

React.js

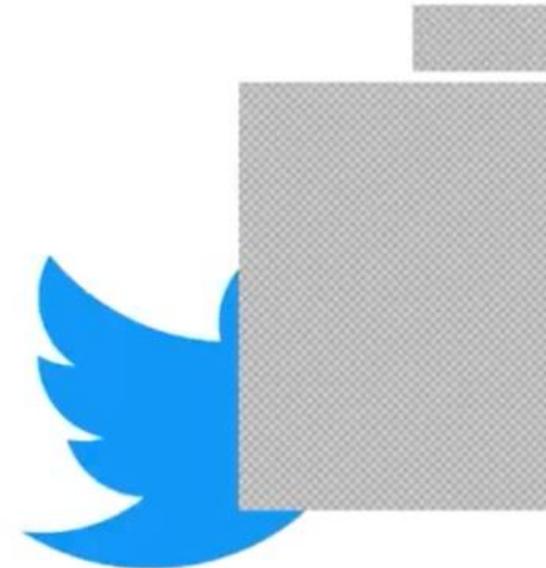
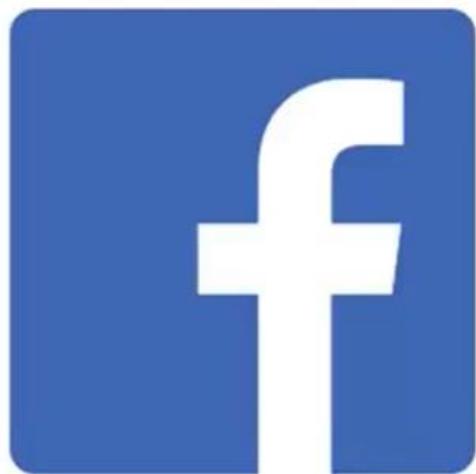
App Development



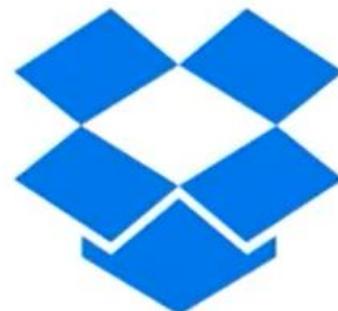
What is React.js?

Why was React Developed?

Who uses React?



The New York Times



Why should I use React?

React concepts

Components



```
function Welcome( ) {  
    return <h1>Hello World</h1>;  
}
```



Props

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Welcome.js

```
1 import React from 'react';
2
3 const Welcome =() => {
4     return (
5         <div> REACT JS </div>
6     )
7 }
8
9 export default Welcome;
```

App.js

```
1 | import React from "react";
> 2 | import Welcome from './Welcome'
3 | import "./styles.css";
4 |
5 | export default function App() {
```

Browser Tests

https://5q8uy.csb.app/

ModuleNotFoundError

Could not find module in path: './Welcome' relative to '/src/App.js'

Start editing to see some magic happen!

3 stack frames were collapsed.

evaluate

/src/App.js:2

View compiled

10 stack frames were collapsed.

This screen is visible only in development. It will not appear if the app crashes in production.
Open your browser's developer console to further inspect this error.
This error overlay is powered by "react-error-overlay" used in "create-react-app"

Console Problems React DevTools

d950909eb Ln 9, Col 25 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:17 INTL 08-08-2020

beautiful-hofstadter-5q8uy - Co... +

← → C codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy 0 Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Anonymous / beautiful-hofstadter-5q8uy 0 Embed Fork Create Sandbox Sign in

Browser Tests https://5q8uy.csb.app/ REACT JS

```
1 import React from "react";
2 import Welcome from './welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       < Welcome />
9     </div>
10  );
11}
12
```

Console Problems React DevTools

d950909eb Ln 8, Col 17 Spaces: 2 UTF-8 LF JavaScript

Windows 14:18 ENG INTL 08-08-2020

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy 0 Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests https://5q8uy.csb.app/ REACT JS

```
1 import React from 'react';
2
3 const Welcome =({ name }) => {
4   return (
5     <div> REACT JS {name} </div>
6   )
7 }
8
9 export default Welcome;
```

Console Problems React DevTools

d950909eb Ln 5, Col 25 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:19 INTL 08-08-2020

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

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Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
 - welcome.js
- package.json

REACT JS
Session on the basics

```
br(props?: React.DetailedHTMLProps<React.HTMLAttributes<HTMLBRElement>, ...children: React.ReactNode[]>)
```

```
const Welcome = ({ name }) =>
  return (
    <div> REACT JS <br/> {name} </div>
  )
}

export default Welcome;
```

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

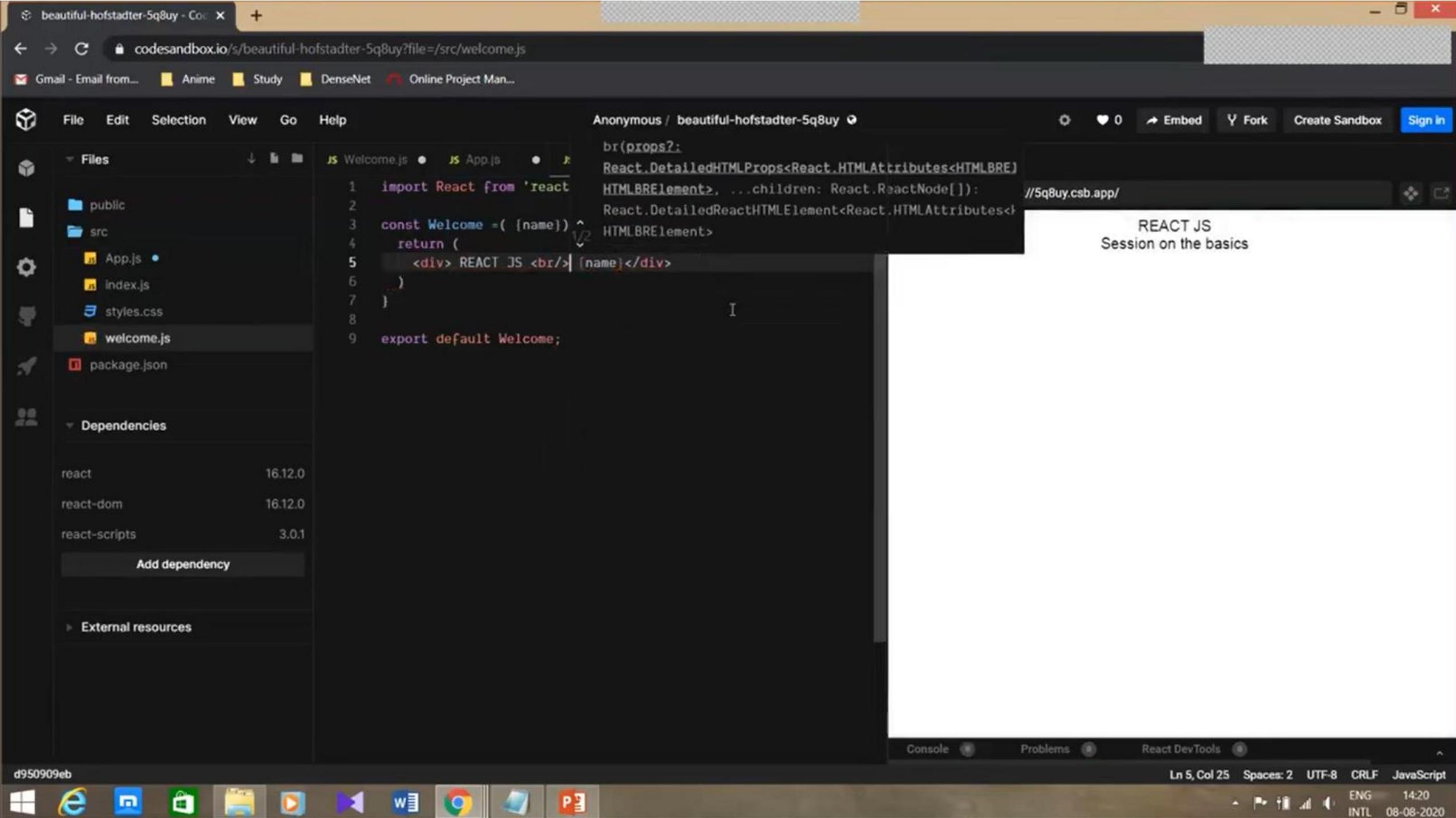
Add dependency

External resources

Console Problems React DevTools

d950909eb Ln 5, Col 25 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:20 INTL 08-08-2020



beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/App.js

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File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS Welcome.js ● JS App.js ● JS welcome.js ●

```
1 import React from "react";
2 import Welcome from './welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       < Welcome name= " Session on the basics"/>
9       < Welcome name= " Explaining the props of React JS"/>
10    </div>
11  );
12}
13
```

Browser Tests

https://5q8uy.csb.app/

REACT JS
Session on the basics
REACT JS
Explaining the props of React JS

Console Problems React DevTools

d950909eb Ln 9, Col 55 Spaces: 2 UTF-8 LF JavaScript

Windows Taskbar: File Explorer, Edge, Microsoft Store, File, Word, Google Chrome, Excel, Powerpoint

System tray: ENG 14:21 INTL 08-08-2020

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

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Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS Welcome.js ● JS App.js X JS welcome.js ●

```
1 import React from 'react';
2
3 const Welcome = ( {name , details}) => {
4     return (
5         <div> REACT JS <br/> {name} {details} </div>
6     )
7 }
8
9 export default Welcome;
```

Browser Tests

https://5q8uy.csb.app/

REACT JS
Session on the basics
REACT JS
Explaining the props of React JS

d950909eb

Console Problems React DevTools

Ln 5, Col 43 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:22 INTL 08-08-2020

The screenshot shows a browser-based development environment for React. On the left, the file structure is visible with 'welcome.js' selected. The main area contains the code for the 'Welcome' component, which displays a name and details separated by a new line. To the right, a preview window shows the rendered output: 'REACT JS' followed by a line break, then 'name' and 'details'. Below the code editor are tabs for 'Console', 'Problems', and 'React DevTools'. The status bar at the bottom shows the line number (Ln 5, Col 43), character count (Spaces: 2), file encoding (UTF-8), line endings (CRLF), and the current programming language (JavaScript). The operating system taskbar at the bottom includes icons for File Explorer, Edge, Microsoft Store, File Explorer, Task View, Google Chrome, Microsoft Word, Microsoft Excel, and Microsoft Powerpoint.

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codesandbox.io/s/beautiful-hofstadter-5q8uy

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File Edit Selection View Go Help

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Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

1
2
3
4
5
6
7
8
9 act JS "details =" Multiple calling of the props in React JS /:
10
11
12
13

Browser Tests

https://5q8uy.csb.app/

REACT JS
Session on the basics
REACT JS
Explaining the props of React JS
Multiple calling of the props in React JS

Console Problems React DevTools

d950909eb Ln 9, Col 110 Spaces: 2 UTF-8 LF JavaScript

ENG 14:23 INTL 08-08-2020

This screenshot shows a browser-based code editor interface for a React application. The left sidebar contains a file tree with 'src' and 'public' folders, and a 'Dependencies' section listing react (16.12.0), react-dom (16.12.0), and react-scripts (3.0.1). A 'Files' tab is selected, showing the contents of 'src'. The main workspace displays 'App.js' with the following code:

```
1  
2  
3  
4  
5  
6  
7  
8  
9 act JS "details =" Multiple calling of the props in React JS /:  
10  
11  
12  
13
```

The right side shows a preview of the application at <https://5q8uy.csb.app/>. The preview area lists several React-related topics: 'REACT JS', 'Session on the basics', 'REACT JS', 'Explaining the props of React JS', and 'Multiple calling of the props in React JS'. At the bottom, there are tabs for 'Console', 'Problems', and 'React DevTools', along with status information like 'Ln 9, Col 110', 'Spaces: 2', 'UTF-8', 'LF', 'JavaScript', and system details like 'd950909eb', 'ENG 14:23', 'INTL 08-08-2020'.

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codesandbox.io/s/beautiful-hofstadter-5q8uy

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File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS Welcome.js ● JS App.js ● JS welcome.js ●

```
1 import React from 'react';
2
3 const Welcome = (props) => {
4   return (
5     <div> REACT JS <br/> {props.name} <br/>{props.details} </div>
6   )
7 }
8
9 export default Welcome;
```

Browser Tests

https://5q8uy.csb.app/

REACT JS
Session on the basics
REACT JS
Explaining the props of React JS
Multiple calling of the props in React JS

Console Problems React DevTools

d950909eb Ln 3, Col 17 Spaces:2 UTF-8 CRLF JavaScript

ENG 14:24 INTL 08-08-2020

State

beautiful-hofstadter-5q8uy - CodeSandbox

codesandbox.io/s/beautiful-hofstadter-5q8uy

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File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - index.js
 - styles.css
- welcome.js

Dependencies

- react 16.12.0
- react-dom 16.12.0
- react-scripts 3.0.1

Add dependency

External resources

JS Welcome.js ● JS App.js ● JS welcome.js ●

```
1 import React, {useState} from 'react';
2
3 const Welcome = (props) => {
4   const [state, setState] = useState(0);
5   return (
6     <div> REACT JS <br/> {props.name} <br/>{props.details} </div>
7   )
8 }
9
10 export default Welcome;
```

Browser Tests

https://5q8uy.csb.app/

REACT JS
Session on the basics
REACT JS
Explaining the props of React JS
Multiple calling of the props in React JS

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Ln 4, Col 41 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:27 INTL 08-08-2020

beautiful-hofstadter-5q8uy - CodeSandbox

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/Input.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- Welcome.js
- App.js
- welcome.js
- Input.js

Browser Tests

https://5q8uy.csb.app/

REACT JS
Session on the basics
REACT JS
Explaining the props of React JS
Multiple calling of the props in React JS

```
import React from 'react';
const Input = () =>{
  return(
    <input></input>
  );
}
export default Input;
```

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

d950909eb

Console Problems React DevTools

Ln 9, Col 22 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:30 INTL 08-08-2020

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/Button.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- lime.js
- JS App.js
- JS welcome.js
- JS Input.js
- JS Button.js
- ...

Browser Tests

https://5q8uy.csb.app/

REACT JS
Session on the basics
REACT JS
Explaining the props of React JS
Multiple calling of the props in React JS

```
import React from 'react';
const Button = () =>{
  return(
    <button></button>
  );
}
export default Button;
```

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

d950909eb

Console Problems React DevTools

Ln 9, Col 1 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:31 INTL 08-08-2020

The screenshot shows a browser-based code editor interface. On the left, there's a sidebar with icons for navigation, file operations, and project management. Below the sidebar, the 'Files' section lists several files: lime.js, App.js, welcome.js, Input.js, Button.js (which is currently selected), and index.js. Under 'Dependencies', it shows react 16.12.0, react-dom 16.12.0, and react-scripts 3.0.1. A button labeled 'Add dependency' is visible. The main workspace shows the code for 'Button.js'. The code imports React and defines a functional component that returns a single button element. The preview window on the right shows the rendered button. The status bar at the bottom indicates the line number (Ln 9, Col 1), spaces used (Spaces: 2), encoding (UTF-8), and file type (JavaScript). The system tray at the bottom shows various icons and the date/time (08-08-2020, 14:31).

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy 0 Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Anonymous / beautiful-hofstadter-5q8uy

Browser Tests https://5q8uy.csb.app/ REACT JS Session on the basics REACT JS Explaining the props of React JS Multiple calling of the props in React JS

```
import React, {useState} from 'react';
import Input from './Input';
import Button from './Button';

const Welcome = (props) => {
  const [state, setState] = useState(0);
  return (
    <>
      <div> REACT JS <br/> {props.name} <br/>{props.details} </div>
      <Input />
      <Button />
    </>
  )
}

export default Welcome;
```

Console Problems React DevTools

d950909eb Ln 10, Col 35 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:35 INTL 08-08-2020

beautiful-hofstadter-5q8uy - CodeSandbox

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests https://5q8uy.csb.app/ REACT JS Session on the basics

```
import React from "react";
import Welcome from './welcome'
import "./styles.css";

export default function App() {
  return (
    <div className="App">
      < Welcome name= " Session on the basics"/>
    </div>
  );
}


```

Console Problems React DevTools

d950909eb Ln 9, Col 5 Spaces: 2 UTF-8 LF JavaScript

ENG 14:35 INTL 08-08-2020

beautiful-hofstadter-5q8uy - CodeSandbox

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Manager

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS App.js JS welcome.js JS Input.js JS Button.js ... Browser Tests

1 import React, {useState} from 'react';
2 import Input from './Input';
3 import Button from './Button';
4
5
6 const Welcome = (props) => {
7 const [state, setState] = useState(0);
8 return (
9 <>
10 <div>
 {props.name}
{props.details} </div>
11 <Input />
12 <Button />
13 </>
14)
15}
16
17 export default Welcome;

Session on the basics

https://5q8uy.csb.app/

Console Problems React DevTools

495000004b

Le 10 Col 10 Spaces 2 Line 9 Cole Line Script

beautiful-hofstadter-5q8uy - Co

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- home.js
- JS App.js
- JS welcome.js
- JS Input.js
- JS Button.js
- ...

Browser Tests

https://5q8uy.csb.app/

React JS

Session on the basics

```
import React from "react";
import Welcome from './welcome'
import "./styles.css";

export default function App() {
  return (
    <div className="App">
      <h3> React JS </h3>
      <Welcome name= " Session on the basics"/>
    </div>
  );
}


```

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

d950909eb

Console Problems React DevTools

Ln 13, Col 1 Spaces: 2 UTF-8 LF JavaScript

ENG 14:36 INTL 08-08-2020

beautiful-hofstadter-5q8uy - Col +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/Button.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy 0 Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Anonymous / beautiful-hofstadter-5q8uy 0 Embed Fork Create Sandbox Sign in

https://5q8uy.csb.app/ React JS Session on the basics

```
import React from 'react';
const Button =({children}) =>{
  return(
    <button>{children}</button>
  );
};
export default Button;
```

Console Problems React DevTools

d950909eb Ln 5, Col 22 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:38 INTL 08-08-2020

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS App.js ● JS welcome.js ● JS Input.js ● JS Button.js ● ... Browser Tests https://5q8uy.csb.app/ React JS Session on the basics Submit

```
import React, {useState} from 'react';
import Input from './Input';
import Button from './Button';

const Welcome = (props) => {
  const [state, setState] = useState(0);
  return (
    <>
      <div> <br/> {props.name} <br/>{props.details} </div>
      <Input />
      <Button>Submit</Button>
    </>
  )
}

export default Welcome;
```

Console Problems React DevTools

d950909eb Ln 17, Col 25 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:38 INTL 08-08-2020

beautiful-hofstadter-5q8uy - Co... +

codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/Input.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help

Anonymous / beautiful-hofstadter-5q8uy

Embed Fork Create Sandbox Sign in

Files

- ime.js
- JS App.js
- JS welcome.js
- JS Input.js
- JS Button.js

Browser Tests

https://5q8uy.csb.app/

React JS

Session on the basics

Submit

Import React from 'react';
const Input =({handlechange}) =>{
 return(
 <input onChange={handlechange}></input>
)
};
export default Input;

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

d950909eb

Ln 5, Col 34 Spaces: 2 UTF-8 CRLF JavaScript

Console Problems React DevTools

ENG 14:40 INTL 08-08-2020

The screenshot shows a development environment for a React application. On the left, the project structure and dependencies are visible. The main workspace contains the code for the `Input.js` component, which creates a simple input field. To the right, the browser preview shows the rendered UI with a placeholder text and a submit button. The bottom status bar provides build information and system details.

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codesandbox.io/s/beautiful-hofstadter-5q8uy?file=/src/welcome.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / beautiful-hofstadter-5q8uy ⚡ Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - index.js
 - styles.css
 - welcome.js
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS App.js ● JS welcome.js ● JS Input.js ● JS Button.js ● ... Browser Tests https://5q8uy.csb.app/ React JS Session on the basics Submit 0

```
import React, {useState} from 'react';
import Input from './Input';
import Button from './Button';

const Welcome = (props) => {
  const [state, setState] = useState(0);
  const handleInput = (e) => [
    setState(e.target.value);
  ];
  return (
    <>
    <div> <br/> {props.name} <br/>{props.details} </div>
    <Input handleChange={handleInput}/>
    <Button>Submit</Button>
    {state}
    </>
  )
}

export default Welcome;
```

d950909eb

Ln 8, Col 30 Spaces: 2 UTF-8 CRLF JavaScript

ENG 14:44 INTL 08-08-2020



Virtual DOM

sleepy-nightingale-0op3j - Code +

codesandbox.io/s/sleepy-nightingale-0op3j?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / sleepy-nightingale-0op3j Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - Button.js
 - Input.js
 - Welcome.js •
 - Index.js
 - styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

JS App.js JS Input.js JS Welcome.js JS Button.js ... Browser Tests https://0op3j.csb.app/ REACT JS Session on basics by adawdw submit by: adawdw

```
1 import React from "react";
2 import Welcome from './Welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       <h3> REACT JS </h3>
9       <Welcome name = "Session on basics "/>
10
11     </div>
12   );
13 }
14
```

Console Problems React DevTools

d950909eb Ln 14, Col 1 Spaces: 2 UTF-8 LF JavaScript

ENG 14:47 INTL 08-08-2020

sleepy-nightingale-0op3j - Code +

codesandbox.io/s/sleepy-nightingale-0op3j?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / sleepy-nightingale-0op3j

Files

- public
- src
 - App.js •
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Add dependency

External resources

Browser Tests https://0op3j.csb.app/ REACT JS Session on basics by: adawdw submit by: adawdw Concepts submit 0

```
1 import React from "react";
2 import Welcome from './Welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       <h3> REACT JS </h3>
9       <Welcome name = "Session on basics "/>
10      <Welcome name = "Concepts"/>
11
12    </div>
13  );
14}
15
```

Console Problems React DevTools Ln 10, Col 34 Spaces: 2 UTF-8 LF JavaScript d950909eb

sleepy-nightingale-0op3j - Code +

codesandbox.io/s/sleepy-nightingale-0op3j?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / sleepy-nightingale-0op3j ⚡ Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js •
 - Button.js
 - Input.js
 - Welcome.js •
 - index.js
 - styles.css
- package.json

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react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

App.js

```
1 import React from "react";
2 import Welcome from './Welcome'
3 import "./styles.css";
4
5 export default function App() {
6   return (
7     <div className="App">
8       <h3> REACT JS </h3>
9       <Welcome name = "Session on basics "/>
10      <Welcome name = "Concepts"/>
11
12    </div>
13  );
14}
15
```

Browser Tests

https://0op3j.csb.app/

REACT JS

Session on basics

Props, state and virtual dom submit by: adawdw

Concepts

Props, state and virtual dom submit by: adawdw

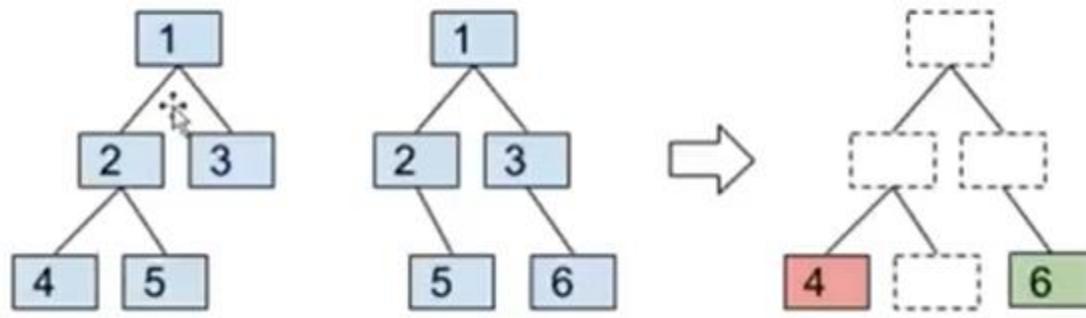
Console Problems React DevTools

Ln 10, Col 34 Spaces: 2 UTF-8 LF JavaScript

d950909eb

Windows Start File Explorer Microsoft Edge Google Chrome Microsoft Word Microsoft Excel Microsoft Powerpoint

ENG 14:49 INTL 08-08-2020



sleepy-nightingale-0op3j - Code +

codesandbox.io/s/sleepy-nightingale-0op3j?file=/src/App.js

Gmail - Email from... Anime Study DenseNet Online Project Man...

File Edit Selection View Go Help Anonymous / sleepy-nightingale-0op3j

Embed Fork Create Sandbox Sign in

Files

- public
- src
 - App.js
 - Button.js
 - Input.js
 - Welcome.js
- index.js
- styles.css
- package.json

Dependencies

react	16.12.0
react-dom	16.12.0
react-scripts	3.0.1

Add dependency

External resources

Browser Tests https://0op3j.csb.app/ REACT JS Session on basics by: adawdw submit by: adawdw Concepts Props, state and virtual dom submit Props, state and virtual dom Regards submit 0

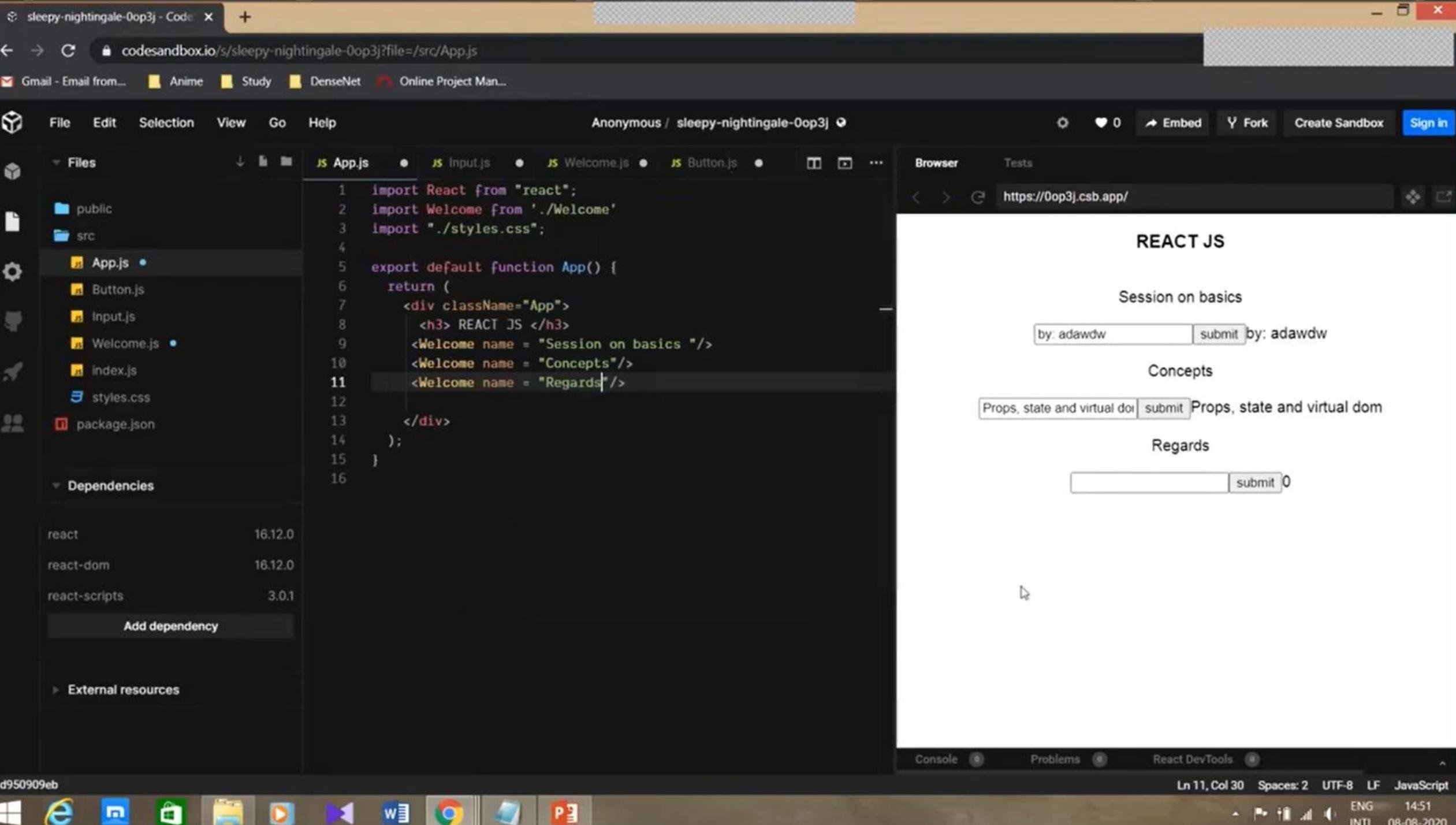
Console Problems React DevTools

Ln 11, Col 30 Spaces: 2 UTF-8 LF JavaScript

d950909eb

Windows Taskbar: File Explorer, Edge, Microsoft Store, Media Player, Word, Google Chrome, Paint, Powerpoint.

System tray: ENG 14:51 INTL 08-08-2020



Day14

Activities Google Chrome

Tue 09:03

Meeting is in progress API Libraries - v3.2.5 | Enact

enactjs.com/docs/modules/

Enact

API Libraries Developer Guide Developer Tools Tutorials v3.2.5

Search

HOME GETTING STARTED API GITHUB

API Libraries

Select a library to explore the Enact API for version 3.2.5



core Library

The set of essential building blocks for an Enact-based application.



i18n Library

Internationalization library based on iLib.



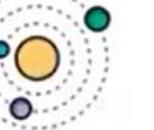
moonstone Library

The set of components for an Enact-based application targeting smart TVs.



spotlight Library

An extensible library for 5-way navigation and focus control.



ui Library

A set of reusable behaviors and a library of unstyled components for creating Enact themes.



webos Library

Utility functions for working with webOS devices.

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<https://enactjs.com/docs/modules/i18n/SL/>

Activities Google Chrome ▾

Tue 09:05

Meeting is in progress API Libraries - v3.2.5 | Enact

enactjs.com/docs/modules/

Enact

API Libraries Developer Guide Developer Tools Tutorials v3.2.5

search

API Libraries

Select a library to explore the Enact API for version 3.2.5

 core Library
The set of essential building blocks for an Enact-based application.

 i18n Library
Internationalization library based on iLib.

 moonstone Library
The set of components for an Enact-based application targeting smart TVs.

 spotlight Library
An extensible library for 5-way navigation and focus control.

 ui Library
A set of reusable behaviors and a library of unstyled components for creating Enact themes.

 webos Library
Utility functions for working with webOS devices.

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<https://enactjs.com/docs/modules/moonstone/>

Activities Google Chrome Meeting is in progress moonstone/BodyText | E + Tue 09:06

enactjs.com/docs/modules/moonstone/BodyText/

Enact

search

HOME GETTING STARTED API GITHUB

v3.2.5

Dialog
Dropdown
EditableIntegerPicker
ExpandableInput
ExpandableItem
ExpandableList
ExpandablePicker
FormCheckbox
FormCheckboxitem
GridListImageItem
Heading
Icon
IconButton
Image
IncrementSlider
Input
Item
LabeledIcon
LabeledIconButton
LabeledItem
Marquee
MediaOverlay
MoonstoneDecorator
Notification
Panels
Picker

`import BodyText from '@enact/moonstone/BodyText';`

Members

BodyText Component

A simple text block component, ready to use in Moonstone applications.

`BodyText` may be used to display a block of text and is sized and spaced appropriately for a Moonstone application.

Usage:

```
<BodyText>  
  I have a Ham radio. There are many like it, but this one is mine.  
</BodyText>
```

[Import usage](#)

Extends: `moonstone/BodyText.BodyTextBase`
Wrapped with: `moonstone/BodyText.BodyText!` [decorator](#)

BodyTextBase Component

A simple text block component.

This component is most often not used directly but may be composed within another component as it is within `BodyText`.

```
import {BodyTextBase} from '@enact/moonstone/BodyText';
```

[Import usage](#)

Extends: `ui/BodyText.BodyText`

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Activities Visual Studio Code Tue 09:11 ● Kitten.js - kittenbrowserreusable - Visual Studio Code

The screenshot shows a dark-themed instance of Visual Studio Code. In the top left, there's a vertical toolbar with icons for file operations like Open, Save, Find, and Copy/Paste. The main interface has a top navigation bar with File, Edit, Selection, View, Go, Run, Terminal, and Help. Below the navigation is the Explorer sidebar, which displays a file tree. The tree shows a project structure with a root folder 'KITTENBROWSERREUSABLE' containing 'node_modules', 'resources', and 'src'. The 'src' folder contains 'App' (with 'App.js', 'App.module.less', and 'package.json'), 'components' (with 'Kitten' (containing 'Kitten.js', 'index.js', and 'README.md') and 'views'), and other files like '.gitignore' and 'package.json'. The 'Kitten.js' file in the 'components/Kitten' folder is currently selected and shown in the main editor area. The editor shows the following code:

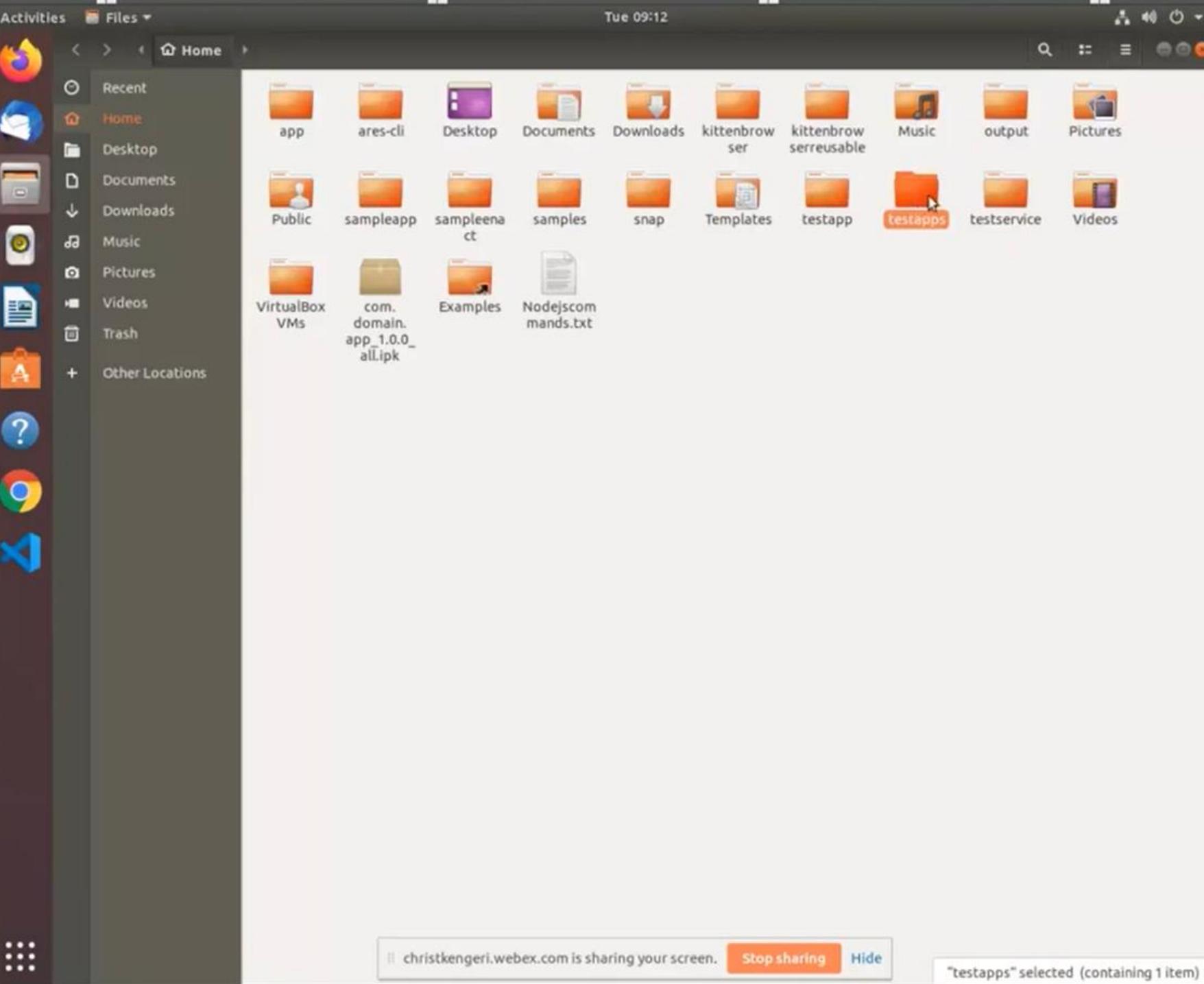
```
src > components > Kitten > JS Kitten.js > defaultProps > size
37  });

The bottom half of the screen features a terminal window. The tab bar at the top of the terminal says '1: node'. The terminal output shows:
```

bm@bm-desktop:~\$
bm@bm-desktop:~\$
bm@bm-desktop:~\$
bm@bm-desktop:~\$ enact create testapp
Creating a new Enact app in testapp...

ERROR: The directory testapp contains file(s) that could conflict. Aborting.
bm@bm-desktop:~\$ enact create testapps
Creating a new Enact app in testapps...

At the very bottom, there's a status bar with the text 'christkengeri.webex.com is sharing your screen.' and a 'Stop sharing' button. The status bar also includes 'Spaces: 4', 'UTF-8', 'LF', 'JavaScript', and some small icons.

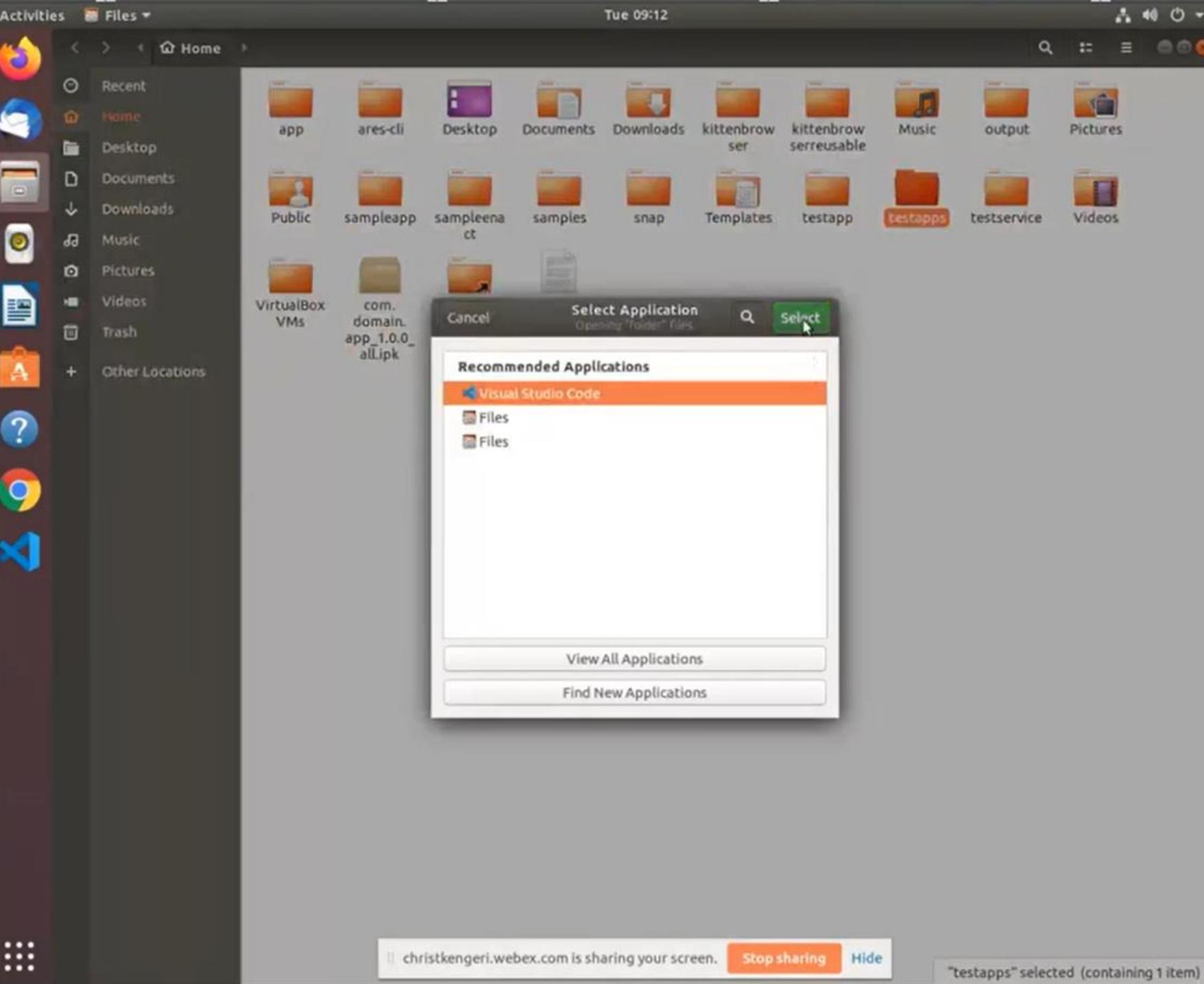


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Stop sharing

Hide

"testapps" selected (containing 1 item)



Activities Visual Studio Code Tue 09:18

App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

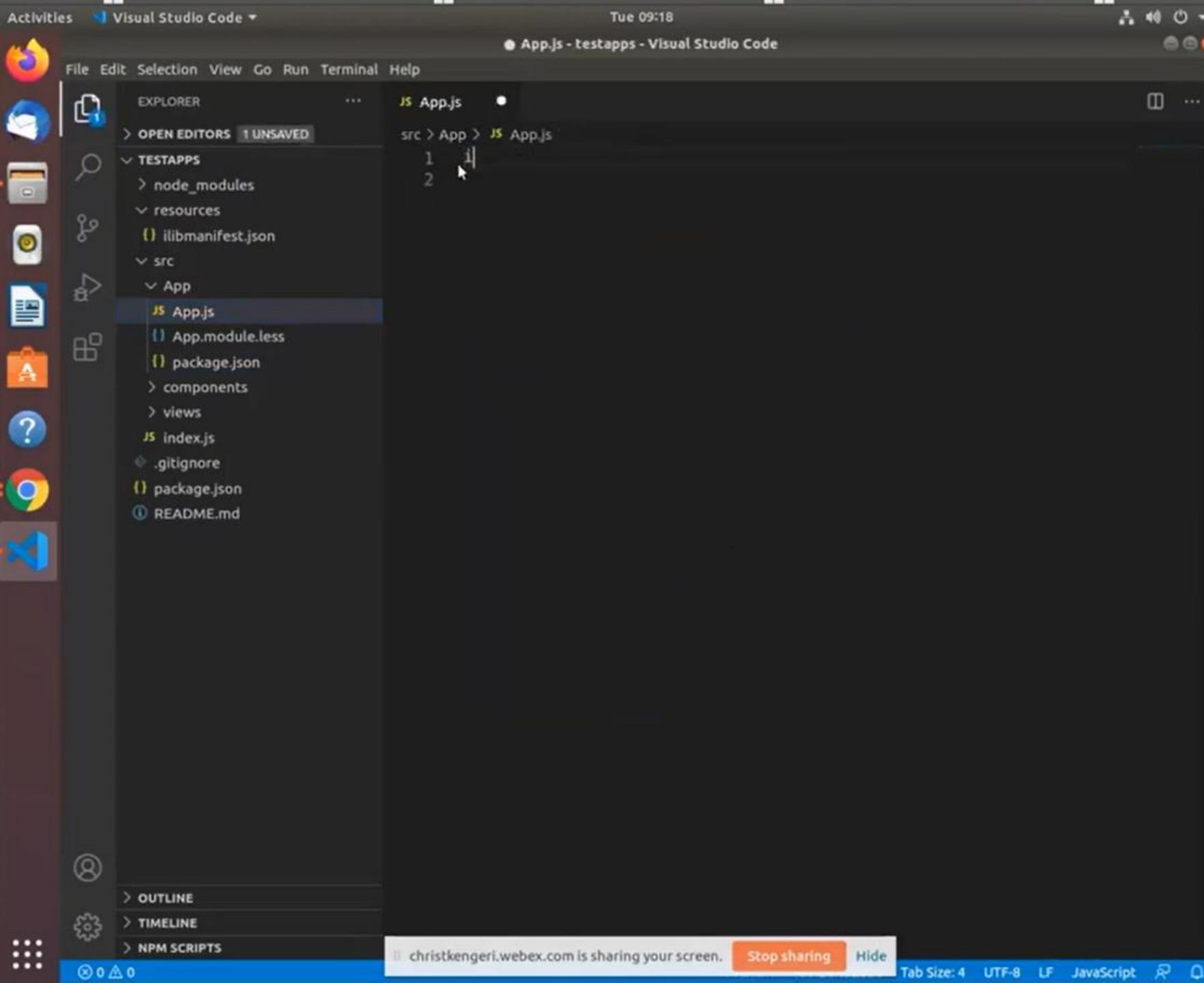
EXPLORER OPEN EDITORS TESTAPPS node_modules resources libmanifest.json src App App.js App.module.less package.json components views index.js .gitignore package.json README.md

JS App.js

```
src > App > JS App.js > ...
1 import kind from '@enact/core/kind';
2 import MoonstoneDecorator from '@enact/moonstone/MoonstoneDecorator';
3 import Panels from '@enact/moonstone/Panels';
4 import React from 'react';
5
6 import MainPanel from '../views/MainPanel';
7
8 import css from './App.module.less';
9
10 const App = kind({
11   name: 'App',
12
13   styles: {
14     css,
15     className: 'app'
16   },
17
18   render: (props) => (
19     <div {...props}>
20       <Panels>
21         <MainPanel />
22       </Panels>
23     </div>
24   )
25 });
26
27 export default MoonstoneDecorator(App);
28
```

OUTLINE TIMELINE NPM SCRIPTS

christkengeri.webex.com is sharing your screen. Stop sharing Hide Tab Size: 4 UTF-8 LF JavaScript



Activities Visual Studio Code Tue 09:21

App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS 1 UNSAVED

TESTAPPS node_modules resources libmanifest.json src App App.js App.module.less package.json components views index.js .gitignore package.json README.md

JS App.js

```
src > App > JS App.js > ...
1 import React from 'react';
2
3 const App = function(){
4     return(
5         <div>
6             Hello Interns!
7         </div>
8     );
9 }
10
11 export default App; I
12 export {App};
```

OUTLINE TIMELINE NPM SCRIPTS

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Activities < Visual Studio Code

Tue 09:24

Index.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

OPEN EDITORS 1 UNSAVED

TESTAPPS

node_modules

resources

libmanifest.json

src

App

App.js

App.module.less

package.json

components

views

index.js

.gitignore

package.json

README.md

src > index.js > ...

```
1 import React from 'react';
2 import {render} from 'react-dom';
3 import App from './App'; I
4
5 const appElement = (<App />);
6
7 // In a browser environment, render instead of exporting
8 if (typeof window !== 'undefined') {
9   render(appElement, document.getElementById('root'));
10 }
11
12 export default appElement;
13
```

christkengeri.webex.com is sharing your screen. Stop sharing Hide

Tab Size: 4 UTF-8 LF JavaScript

Activities Visual Studio Code Tue 09:25

App.js - testapps - Visual Studio Code

The screenshot shows the Visual Studio Code interface on a Linux desktop. The terminal menu is open, with 'New Terminal' highlighted. The code editor shows a portion of an App.js file:

```
react';
()
terns!
12 export {App};
13 |
```

The Explorer sidebar shows a project structure with files like node_modules, resources, libmanifest.json, src, App.js, App.module.less, package.json, components, views, Index.js, .gitignore, package.json, and README.md.

Bottom status bar: christkengeri.webex.com is sharing your screen. Stop sharing Hide Tab Size: 4 UTF-8 LF JavaScript

Activities Visual Studio Code Tue 0927

App.js - testapps - Visual Studio Code

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** On the left, it displays a file tree for a project named "TESTAPPS". The "src" folder contains "App" which has "App.js" selected. Other files in "src" include "App.module.less", "package.json", "components", "views", "index.js", ".gitignore", "package.json", and "README.md".
- Code Editor:** The main area shows two tabs: "JS App.js" and "JS index.js". The "index.js" tab is active and contains the following code:

```
src > App > JS App.js > ...
1 import React from 'react';
2
3 const App = function(){
4     return(
5         <div>
6             | Hello Interns!
7         </div>
8     );
9 }
10
11 export default App;
12 export {App};
```
- Terminal:** At the bottom, the terminal shows a command-line session:

```
Try: sudo apt install <deb name>

bm@bm-desktop:~/testapps$ ^C
bm@bm-desktop:~/testapps$ ^C
bm@bm-desktop:~/testapps$ ^C
bm@bm-desktop:~/testapps$ npm run serve

> testapps@1.0.0 serve /home/bm/testapps
> enact serve
```
- Bottom Status Bar:** Shows "christkengeri.webex.com is sharing your screen." with "Stop sharing" and "Hide" buttons, and "Tab Size: 4" and "JavaScript" tabs.

Activities Google Chrome Tue 09:27

Meeting is in progress × localhost

localhost:8080

This site can't be reached

localhost refused to connect.

Try:

- Checking the connection
- Checking the proxy and the firewall

ERR_CONNECTION_REFUSED

Details Reload

christkengeri.webex.com is sharing your screen. Stop sharing Hide

The screenshot shows a Linux desktop environment with a dark brown vertical dock on the left containing various application icons. A Google Chrome window is open, displaying an error page for 'localhost:8080'. The error message indicates that the connection was refused. Below the message, there are two buttons: 'Details' and 'Reload'. At the bottom of the screen, a status bar shows a message from 'christkengeri.webex.com' stating 'is sharing your screen.' with 'Stop sharing' and 'Hide' buttons. The top of the screen shows the system tray with the date 'Tue 09:27' and various system icons.

Activities Visual Studio Code Tue 09:29

● App.js - testapps - Visual Studio Code

The screenshot shows a dark-themed instance of Visual Studio Code. In the top left, there's a dock with icons for various applications like Firefox, Mail, and Files. The main window has a title bar with the application name and current file path. The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The Explorer sidebar on the left shows a project structure under 'TESTAPPS': node_modules, resources (with libmanifest.json), src (with App, index.js, App.module.less, package.json, components, views), and other files like .gitignore, package.json, and README.md. The 'App' folder is currently selected. The main editor area displays the contents of 'App.js'. The terminal at the bottom shows the command '1:npm' and the message 'Starting the development server...'. The status bar at the bottom right shows 'christkengeri.webex.com is sharing your screen.' with a 'Stop sharing' button, and settings for Tab Size, Encoding, and Language (JavaScript).

```
src > App > JS App.js > ...
1 import React from 'react';
2
3 const App = function(){
4     return(
5         <div>
6             Hello Interns!
7         </div>
8     );
9 }
10
11 export default App;
12 export {App};
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1:npm

Starting the development server...

christkengeri.webex.com is sharing your screen. Stop sharing Hide

Tab Size: 4 UTF-8 LF JavaScript

Activities < Visual Studio Code < Tue 09:29

● App.js - testapps - Visual Studio Code

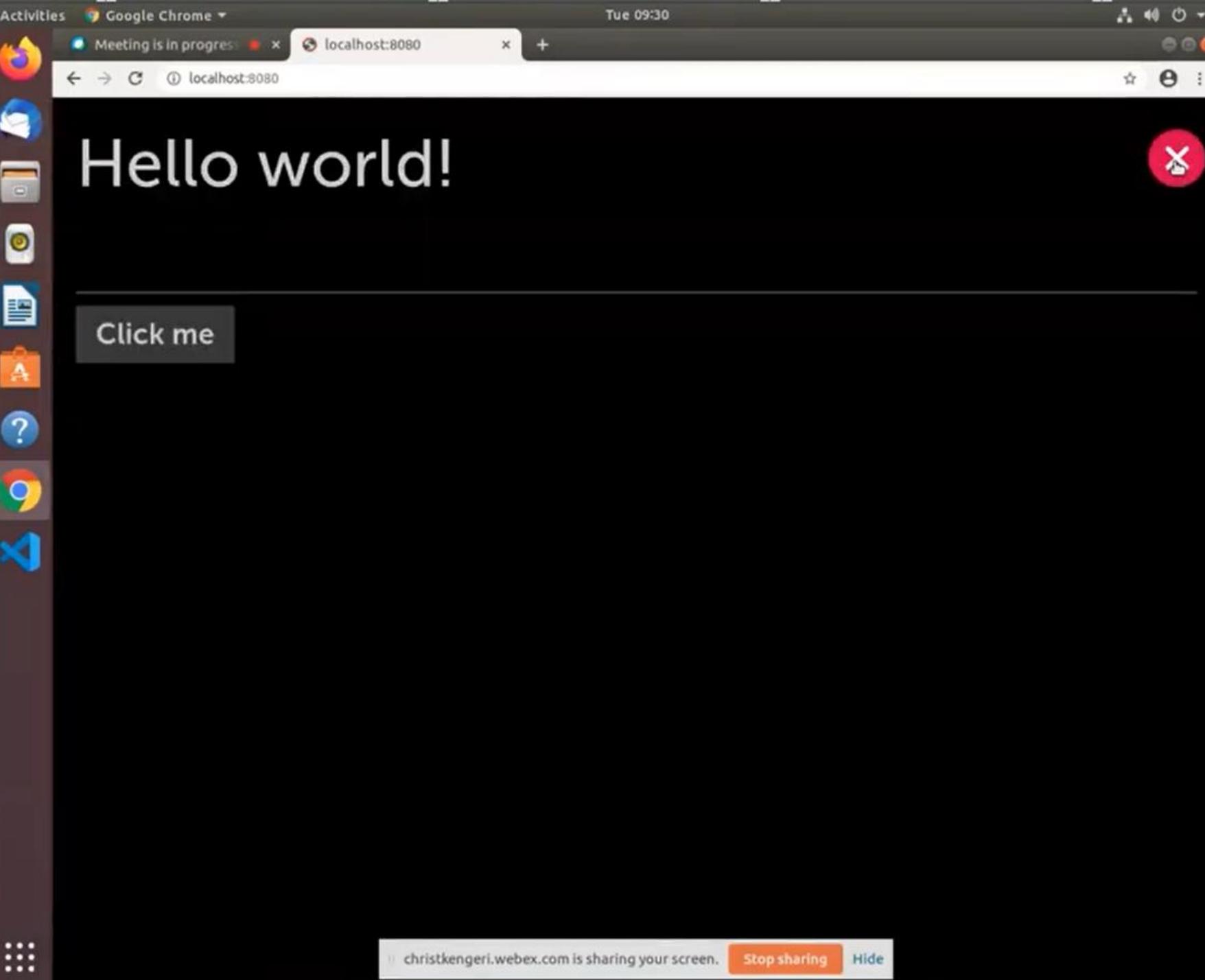
The screenshot shows a dark-themed instance of Visual Studio Code. On the left is the Activity Bar with icons for various applications like Firefox, Terminal, and File Manager. The Explorer sidebar shows a project structure under 'TESTAPPS': node_modules, resources (with libmanifest.json), src (with App, Index.js, App.module.less, package.json, components, views), .gitignore, package.json, and README.md. The main editor area displays 'App.js' with the following code:

```
import React from 'react';
const App = function(){
  return(
    <div>
      Hello Interns!
    </div>
  );
}
export default App;
export {App};
```

The terminal at the bottom shows the output of a build process:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1:npm
Compiled successfully!
You can now view testapps in the browser.
Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/
Note that the development build is not optimized.
To create a production build, use npm run pack-p.
```

A status bar at the bottom indicates 'christkengeri.webex.com is sharing your screen.' with 'Stop sharing' and 'Hide' buttons, and 'Tab Size: 4' with icons for 'UTF-8', 'LF', and 'JavaScript'.



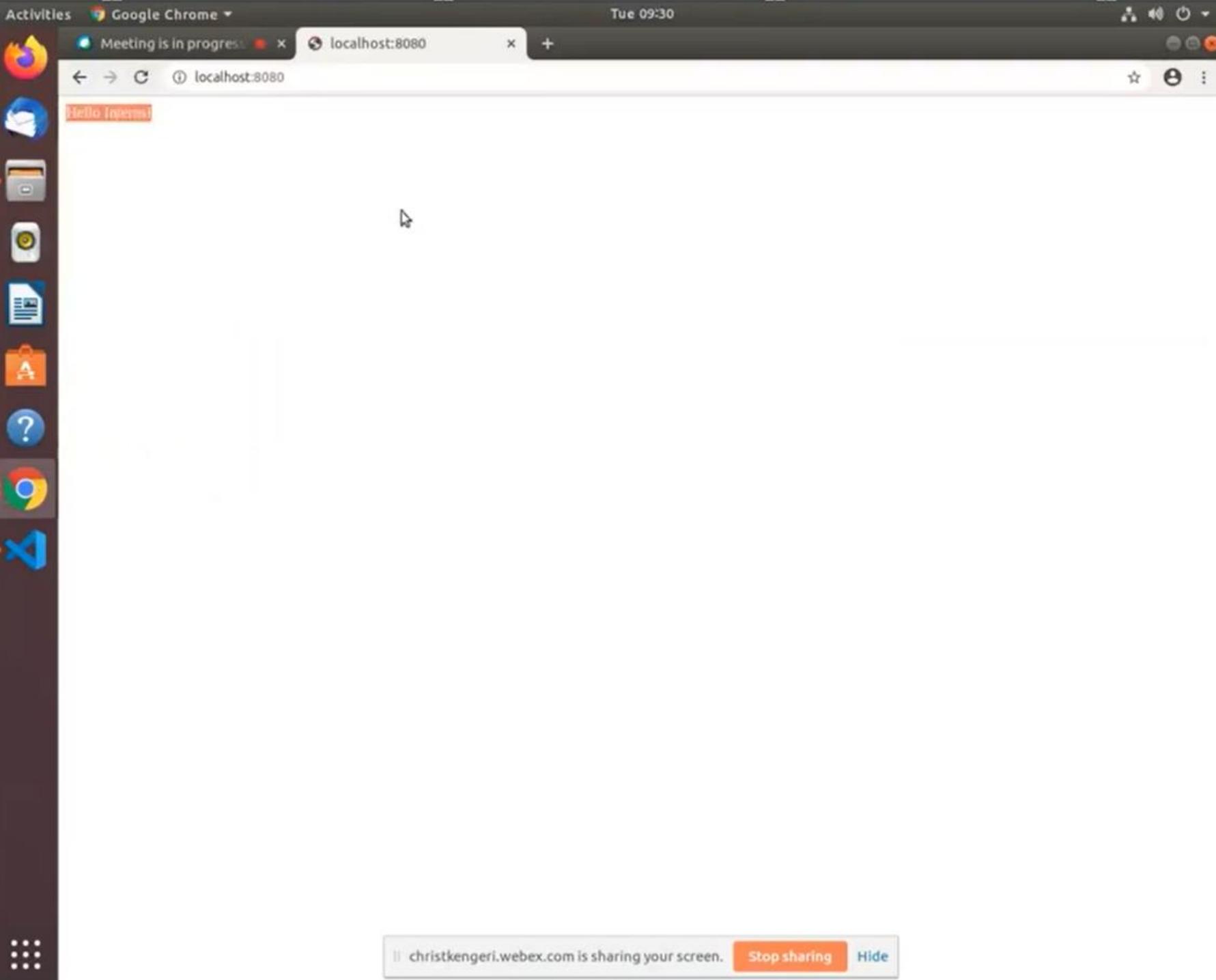
Activities Visual Studio Code Tue 09:30

App.js - testapps - Visual Studio Code

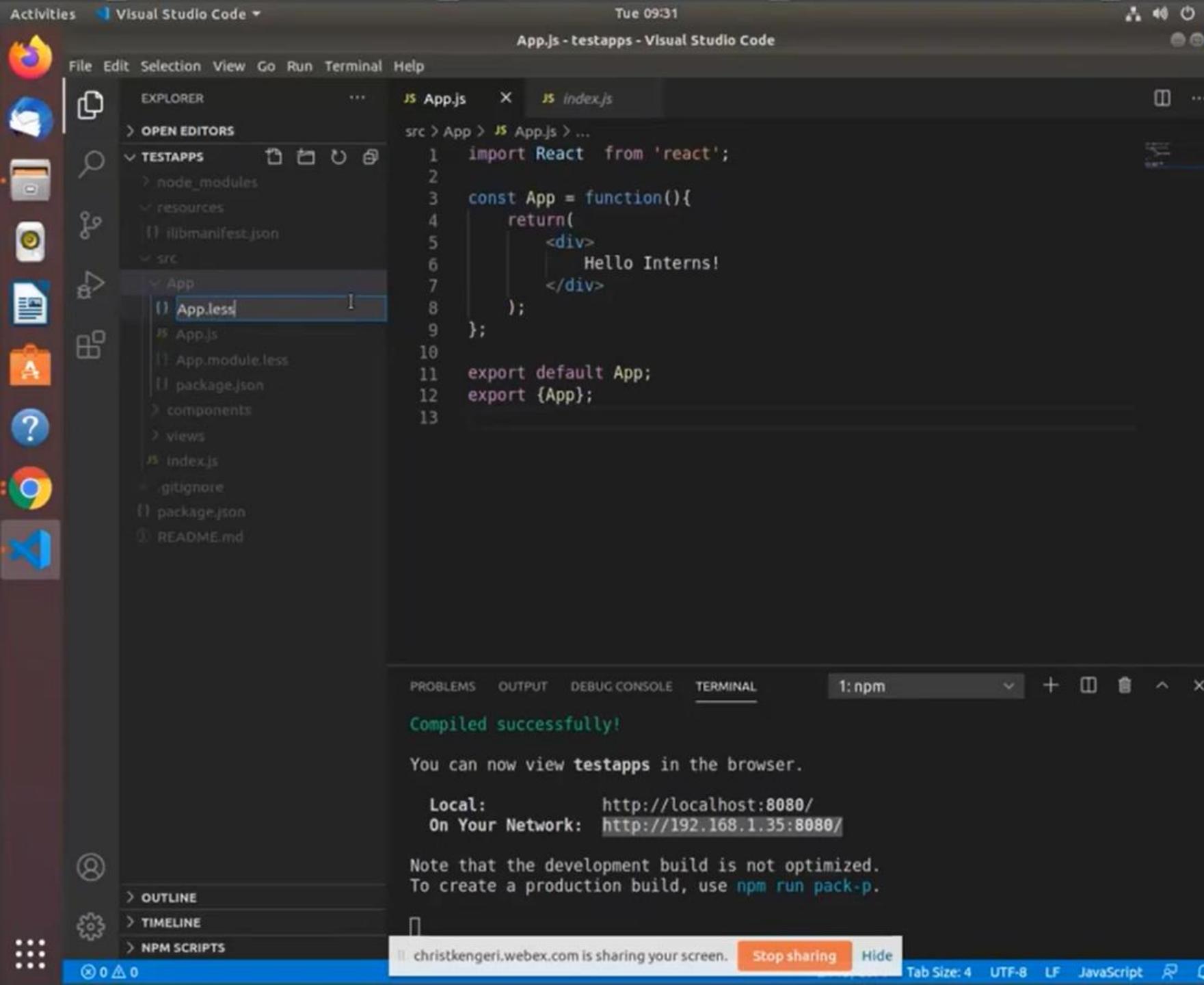
The screenshot shows the Visual Studio Code interface running on a Linux desktop. The left sidebar displays a file tree for a project named 'TESTAPPS'. The 'src' directory contains an 'App' folder, which has 'App.js' selected. Other files in 'App' include 'App.module.less', 'package.json', 'components', 'views', 'index.js', '.gitignore', 'package.json', and 'README.md'. The main editor area shows the contents of 'App.js':

```
1 import React from 'react';
2
3 const App = function(){
4     return(
5         <div>
6             Hello Interns!
7         </div>
8     );
9 }
10
11 export default App;
12 export {App};
```

The bottom right corner of the screen indicates that 'christkengeri.webex.com is sharing your screen.'



christkengeri.webex.com is sharing your screen. [Stop sharing](#) [Hide](#)



Activities Visual Studio Code Tue 09:33

● App.less - testapps - Visual Studio Code

The screenshot shows the Visual Studio Code interface. In the top navigation bar, 'File', 'Edit', 'Selection', 'View', 'Go', 'Run', 'Terminal', and 'Help' are visible. The title bar indicates the current project is 'App.less - testapps - Visual Studio Code'. The status bar at the bottom shows the date and time as 'Tue 09:33'.

The left sidebar contains a 'File Explorer' with the following directory structure:

- > OPEN EDITORS 1 UNSAVED
- TESTAPPS
 - > node_modules
 - > resources
 - (1) libmanifest.json
 - > src
 - > App
 - JS App.js
 - (1) App.less
 - (1) App.module.less
 - (1) package.json
 - > components
 - > views
 - JS index.js
 - .gitignore
 - (1) package.json
 - (1) README.md

The 'App.less' file is currently open in the editor, showing the following code:

```
1 .app{  
2   font-size: 48px;  
3 }
```

In the bottom right corner of the editor, there is a message: 'christkengeri.webex.com is sharing your screen.' with a 'Stop sharing' button.

The bottom right panel displays the terminal output:

 - PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
 - 1:npm
 - Compiled successfully!
 - You can now view testapps in the browser.
 - Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/
 - Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.

The bottom status bar shows the following information:

 - 0 0 △ 0
 - ol 21 Spaces: 4 UTF-8 LF Less
 - Stop sharing Hide

Activities Visual Studio Code ▾

Tue 09:33

● App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS 2 UNSAVED

TESTAPPS

- > node_modules
- > resources
 - (1) libmanifest.json
- > src
 - > App
 - JS App.js
 - (1) App.less
 - (1) App.module.less
 - (1) package.json
 - > components
 - > views
 - JS index.js
 - (1) .gitignore
 - (1) package.json
 - (1) README.md

src > App > JS App.js > [0] App

```
1 import React from 'react';
2
3 import css from './App.less'
4
5 const App = function(){
6   return(
7     <div>
8       Hello Interns!
9     </div>
10  );
11
12
13 export default App;
14
15 export {App};
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: npm + ⌂ ⌄ ⌁ ⌂ ⌁ ⌂ ⌁

Compiled successfully!

You can now view **testapps** in the browser.

Local: <http://localhost:8080/>
On Your Network: <http://192.168.1.35:8080/>

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.

christkengeri.webex.com is sharing your screen. Stop sharing Hide

Tab Size: 4 UTF-8 LF JavaScript ⌂ ⌁ ⌂ ⌁

Activities Visual Studio Code Tue 09:51

App.js - testapps - Visual Studio Code

The screenshot shows a Visual Studio Code interface running on a Linux desktop. The left sidebar contains icons for various applications like a browser, terminal, and file manager. The Explorer sidebar shows a project structure for 'TESTAPPS' with files like 'node_modules', 'resources', 'src', 'App', 'index.js', and 'package.json'. The main editor area displays 'App.js' code:

```
src > App > JS App.js > [e] App
1 import React from 'react';
2 import kind from '@enact/core/kind';
3
4 import css from './App.less';
5
6 const App = kind ({
7   name: 'App',
8
9   styles: {
10     css,
11     className: 'app'
12   },
13
14   render: function(props) {
15     return (
16       <div className = {props.className}>
17         Hello Interns!
18       </div>
19     );
20   }
21 });
22
23
24 export default App;
```

Below the editor, the status bar shows 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL'. The terminal tab is active and displays the message 'Compiled successfully!'. It also provides local and network URLs for viewing the application: 'Local: http://localhost:8080/' and 'On Your Network: http://192.168.1.35:8080/'. A note at the bottom states: 'Note that the development build is not optimized. To create a production build, use npm run pack-p.' The bottom status bar also includes tabs for 'Tab Size: 4', 'UTF-8', 'LF', 'JavaScript', and icons for search and refresh.

Activities Visual Studio Code Tue 09:54

App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS TESTAPPS node_modules resources libmanifest.json src App App.js App.less App.module.less package.json components views index.js .gitignore package.json README.md

```
src > App > JS App.js > (e) App
  6 const App = kind ({
  7   name: 'App',
  8
  9   styles: {
 10     css,
 11     className: 'app'
 12   },
 13
 14   render: function (props) {
 15     return (
 16       <div className = {props.className}>
 17         Hello Interns!
 18       </div>
 19     );
 20   }
 21 });
 22
 23 export default App;
 24 export {App};
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1:npm + ⌂ ⌄ ⌁ ⌂ ⌁

Compiled successfully!

You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.

christkengeri.webex.com is sharing your screen. Stop sharing Hide Tab Size: 4 UTF-8 LF JavaScript ⌂ ⌁

Activities Visual Studio Code ▾ Tue 09:55

App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER ... JS App.js X () App.less JS index.js

src > App > JS App.js > (e) App > ⚡ render

```
4 import css from './App.less';
5
6 const App = kind ({
7   name: 'App',
8
9   styles: {
10     css,
11     className: 'app'
12   },
13
14   render: function (props) {
15     return [
16       <div className = {props.className}>
17         Hello Interns! <br/>
18         Welcome to Enact training
19     </div>
20   ],
21 }
22 );
23 });
24
25 export default App;
26 export {App};
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: npm + ☰ ^ ×

Compiled successfully!

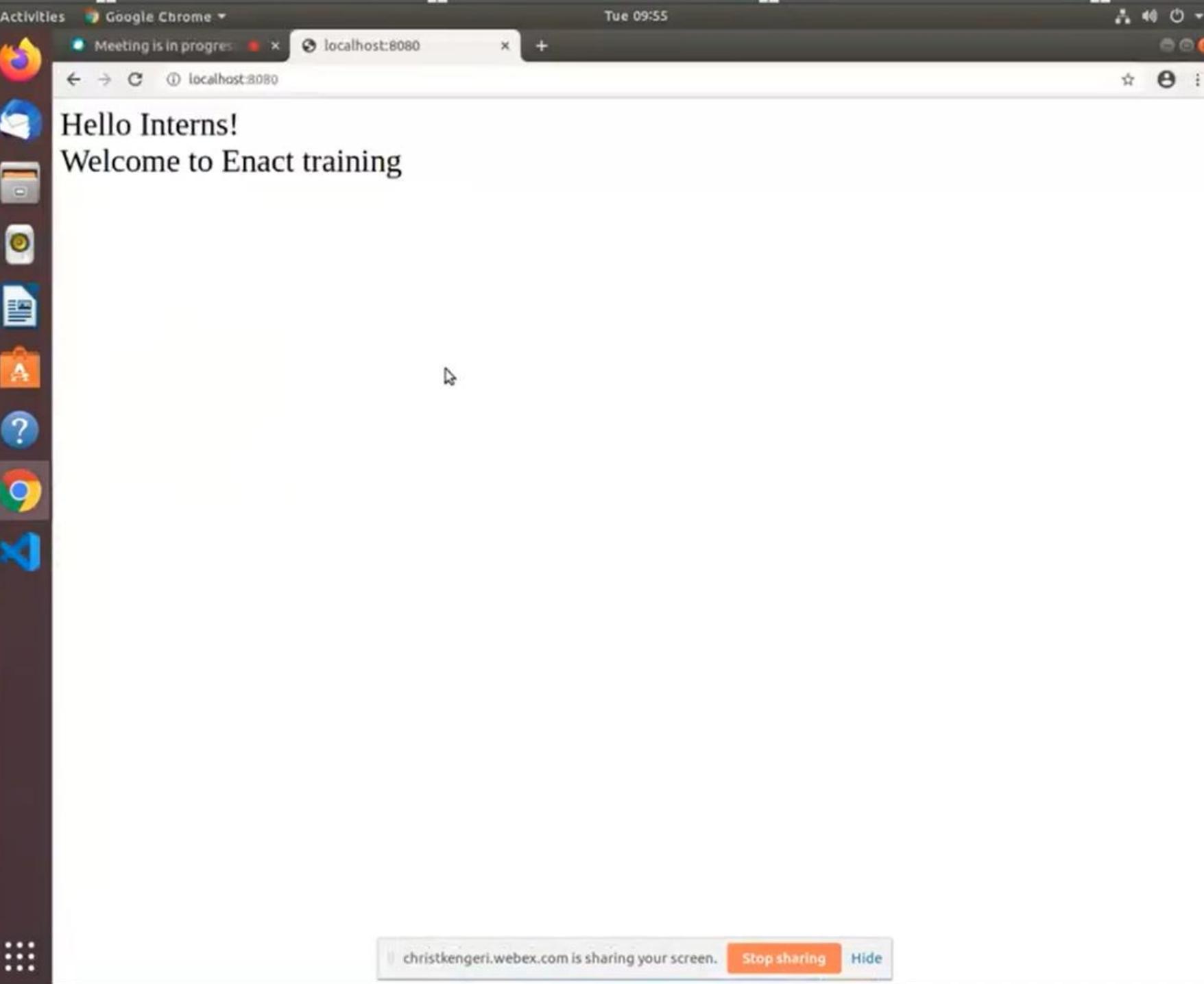
You can now view **testapps** in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.

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Tab Size: 4 UTF-8 LF JavaScript



Activities Google Chrome

Tue 10:05

Meeting is in progress | localhost:8080 | Getting Started | Enact

enactjs.com/docs/

Enact

search

HOME GETTING STARTED API GITHUB

Developer Documentation

Documentation for Enact falls into several categories: Tutorials, Libraries (API) Documentation, Developer Guides and Tools.

Introduction

Enact Development Setup

Hello Enact!

Kitten Browser

Tutorials

core

i18n

moonstone

spotlight

ui

webos

Libraries

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<https://enactjs.com/docs/tutorials/introduction>

Activities Google Chrome ▾

Tue 10:05

Meeting is in progress | localhost:8080 | i18n/\$L | Enact

enactjs.com/docs/modules/i18n/\$L/

Enact

API Libraries Developer Guide Developer Tools Tutorials v3.2.5

search

Overview

core Library

i18n Library

SL

i18nDecorator

Text

util

moonstone Library

spotlight Library

ui Library

webos Library

i18n/\$L

Edit on GitHub

Provides functions to map to translated strings.

Usage:

```
import SL, {toIString} from '@enact/i18n/$L';
SL('Close'); // => "Close" in the current locale
toIString('Close'); // => an lib IString representing "Close" in the current locale
```

Members

SL

SL(str) → String

Maps a string or key/value object to a translated string for the current locale.

str → Object Source string

String The translated string

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Activities Google Chrome

Tue 10:06

Meeting is in progress | localhost:8080 | moonstone/BodyText |

enactjs.com/docs/modules/moonstone/BodyText/

Enact

API Libraries Developer Guide Developer Tools Tutorials v3.2.5

Overview core Library i18n Library moonstone Library BodyText Button Checkbox CheckboxItem ContextualPopupDecorator DatePicker DayPicker DaySelector Dialog Dropdown EditableIntegerPicker ExpandableInput ExpandableItem ExpandableList ExpandablePicker FormCheckbox FormCheckboxitem GridListImageItem Heading Icon

moonstone/BodyText

Edit on GitHub

Moonstone styled text block components and behaviors.

```
<BodyText centered>Hello Enact!</BodyText>
```

Hello Enact!

Members

BodyText Component

A simple text block component, ready to use in Moonstone applications.

BodyText may be used to display a block of text and is sized and spaced appropriately for a Moonstone application.

Usage:

```
<BodyText>
```

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Activities Visual Studio Code Tue 10:10

App.js - testapps - Visual Studio Code

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, it shows a project structure for "TESTAPPS". The "src/App/App.js" file is currently selected.
- Code Editor:** The main area displays the contents of "App.js". The code defines a React component named "App" which renders a simple message.
- Terminal:** At the bottom, the terminal output shows the result of a build process:
 - "Compiled successfully!"
 - You can now view "testapps" in the browser.
 - Local: <http://localhost:8080/>
 - On Your Network: <http://192.168.1.35:8080/>
- Bottom Status Bar:** Shows "christkengeri.webex.com is sharing your screen." with "Stop sharing" and "Hide" buttons, and "Tab Size: 4 UTF-8 LF JavaScript" information.

Activities Visual Studio Code ▾

Tue 10:12

● App.js - testapps - Visual Studio Code

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "TESTAPPS". The "App" folder contains "App.js", "App.less", "App.module.less", "package.json", "components", "views", and "index.js". Other files like ".gitignore", "package.json", and "README.md" are also listed.
- Code Editor:** The "App.js" file is open, displaying the following code:

```
src > App > JS App.js > ...
10 styles: {
11   ...
12   ...
13 },
14
15 render: function (props) {
16   return (
17     <div className = {props.className}>
18       Hello Interns! <br/>
19       Welcome to Enact training
20     </div>
21   );
22 }
23
24 });
25
26 const App = MoonstoneDecorator(AppBase);
27
28 export default App;
29 export {App, AppBase};
```
- Terminal:** The terminal shows the output of an npm command:

```
1:npm
Compiled successfully!
```

You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.
- Bottom Status Bar:** Shows sharing information ("christkengeri.webex.com is sharing your screen.", "Stop sharing", "Hide"), tab size (Tab Size: 4), encoding (UTF-8), line feed (LF), and file type (JavaScript).

Activities Visual Studio Code Tue 10:12

App.js - testapps - Visual Studio Code

The screenshot shows a Linux desktop environment with the Unity interface. A Visual Studio Code window is open, displaying an Enact.js application named 'testapps'. The file 'App.js' is the active editor, showing the following code:

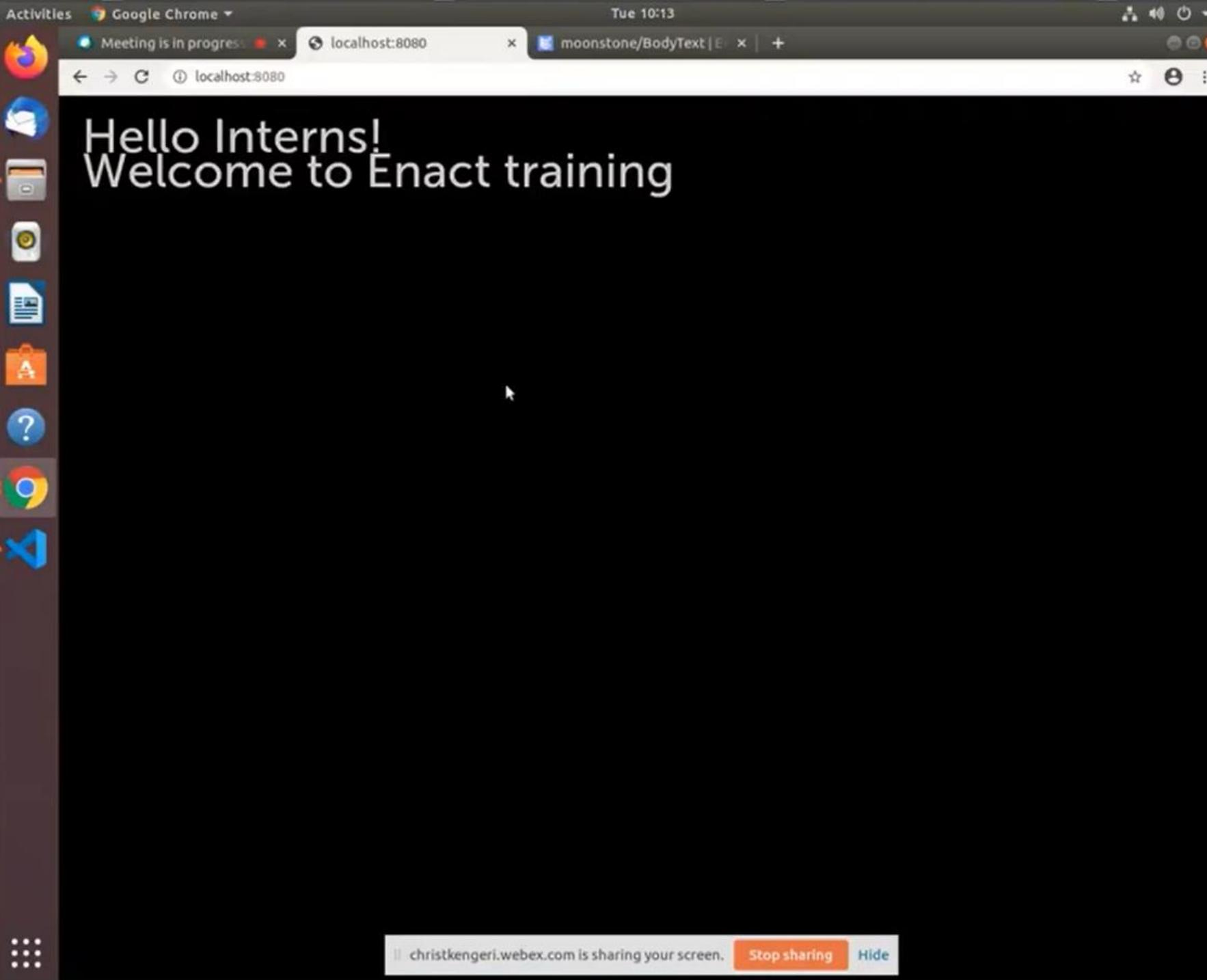
```
import css from './App.less';
const AppBase = kind ({
  name: 'App',
  styles: {
    css,
    className: 'app'
  },
  render: function (props) {
    return (
      <div className = {props.className}>
        Hello Interns! <br/>
        Welcome to Enact training
      </div>
    );
  }
});
const App = MoonstoneDecorator(AppBase);
export default App;
```

The 'EXPLORER' sidebar shows the project structure:

- > OPEN EDITORS 1 UNSAVED
- > TESTAPPS
 - > node_modules
 - > resources
 - (1) libmanifest.json
 - > src
 - > App
 - JS App.js
 - (1) App.less
 - (1) App.module.less
 - (1) package.json
 - > components
 - > views
 - JS index.js
 - > .gitignore
 - (1) package.json
 - (1) README.md

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Tab Size: 4 UTF-8 LF JavaScript



Activities Visual Studio Code Tue 10:22

App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS 1 UNSAVED

TESTAPPS node_modules resources libmanifest.json src App App.js App.less App.module.less package.json components views index.js .gitignore package.json README.md

JS App.js ● App.less JS index.js

```
src > App > JS App.js > ...
1 import React from 'react';
2 import kind from '@enact/core/kind';
3 import MoonstoneDecorator from '@enact/moonstone/MoonstoneDecorator';
4 import Panels from '@enact/moonstone/Panels';
5 import css from './App.less';
6
7 const AppBase = kind({
8     name: 'App',
9
10    styles: {
11        css,
12        className: 'app'
13    },
14
15    render: function (props) {
16        return (
17            <div className={props.className}>
18                Hello Interns! <br/>
19                Welcome to Enact training
20            </div>
21        );
22    }
23
24 }):
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1:npm + ⌂ ⌄ ⌈ ⌉ ⌊ ⌋ ⌈ ⌉ ⌊ ⌋

Compiled successfully!

You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.

christkengeri.webex.com is sharing your screen. Stop sharing Hide

Tab Size: 4 UTF-8 LF JavaScript ⌂ ⌄ ⌈ ⌉ ⌊ ⌋ ⌈ ⌉ ⌊ ⌋

Activities Visual Studio Code Tue 10:23

App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS 1 UNSAVED

TESTAPPS node_modules resources libmanifest.json src App App.js App.module.less package.json components views index.js .gitignore package.json README.md

JS App.js ● () App.module.less () App.less

```
src > App > JS App.js > ...
1 import React from 'react';
2 import kind from '@enact/core/kind';
3 import MoonstoneDecorator from '@enact/moonstone/MoonstoneDecorator';
4 import Panels from '@enact/moonstone/Panels';
5 import css from './App.less';
6
7 import MainPanel from '../views/MainPanel';
8
9 const AppBase = kind ({
10     name: 'App',
11
12     styles: {
13         css,
14         className: 'app'
15     },
16
17     render: function (props) {
18         return (
19             <div className = {props.className}>
20                 Hello Interns! <br/>
21                 Welcome to Enact training
22             </div>
23         );
24     }
});
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL 1:npm + ☰ ^ ✕

Compiled successfully!

You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.

OUTLINE TIMELINE NPM SCRIPTS

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Activities Visual Studio Code ▾ Tue 10:23

MainPanel.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER JS App.js JS MainPanel.js App.less

OPEN EDITORS 1 UNSAVED

TESTAPPS node_modules resources libmanifest.json

src App views MainPanel.js

App.js App.less App.module.less package.json

components

views MainPanel.js

index.js .gitignore package.json README.md

JS MainPanel.js

JS MainPanel.js

src > views > JS MainPanel.js > ...

```
1 import Button from '@enact/moonstone/Button';
2 import kind from '@enact/core/kind';
3 import {Panel, Header} from '@enact/moonstone/Panels';
4 import React from 'react';
5
6 const MainPanel = kind({
7   name: 'MainPanel',
8
9   render: (props) => (
10     <Panel {...props}>
11       <Header title="Hello world!" />
12       <Button>Click me</Button>
13     </Panel>
14   )
15 });
16
17 export default MainPanel;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1:npm

Compiled successfully!

You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.

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Tab Size: 4 UTF-8 LF JavaScript

Activities Visual Studio Code Tue 10:28

MainPanel.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER JS Apps JS MainPanel.js App.less

OPEN EDITORS 1 UNSAVED

TESTAPPS

node_modules

resources libmanifest.json

src

App

App.js App.less App.module.less package.json

components

views

MainPanel.js

README.md

Index.js .gitignore package.json README.md

src > views > JS MainPanel.js > MainPanel > render

```
1 import Button from '@enact/moonstone/Button';
2 import kind from '@enact/core/kind';
3 import {Panel, Header} from '@enact/moonstone/Panels';
4 import React from 'react';

5 const MainPanel = kind({
6   name: 'MainPanel',
7
8   render: (props) => [
9     <Panel {...props}>
10      <Header title="Lg training" />
11      <Button>Click me</Button>
12    </Panel>
13  ],
14);
15
16
17 export default MainPanel;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1:npm

Compiled successfully!

You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use npm run pack-p.

OUTLINE TIMELINE NPM SCRIPTS

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Activities Visual Studio Code ▾ Tue 10:28

● App.js - testapps - Visual Studio Code

The screenshot shows the Visual Studio Code interface with the following details:

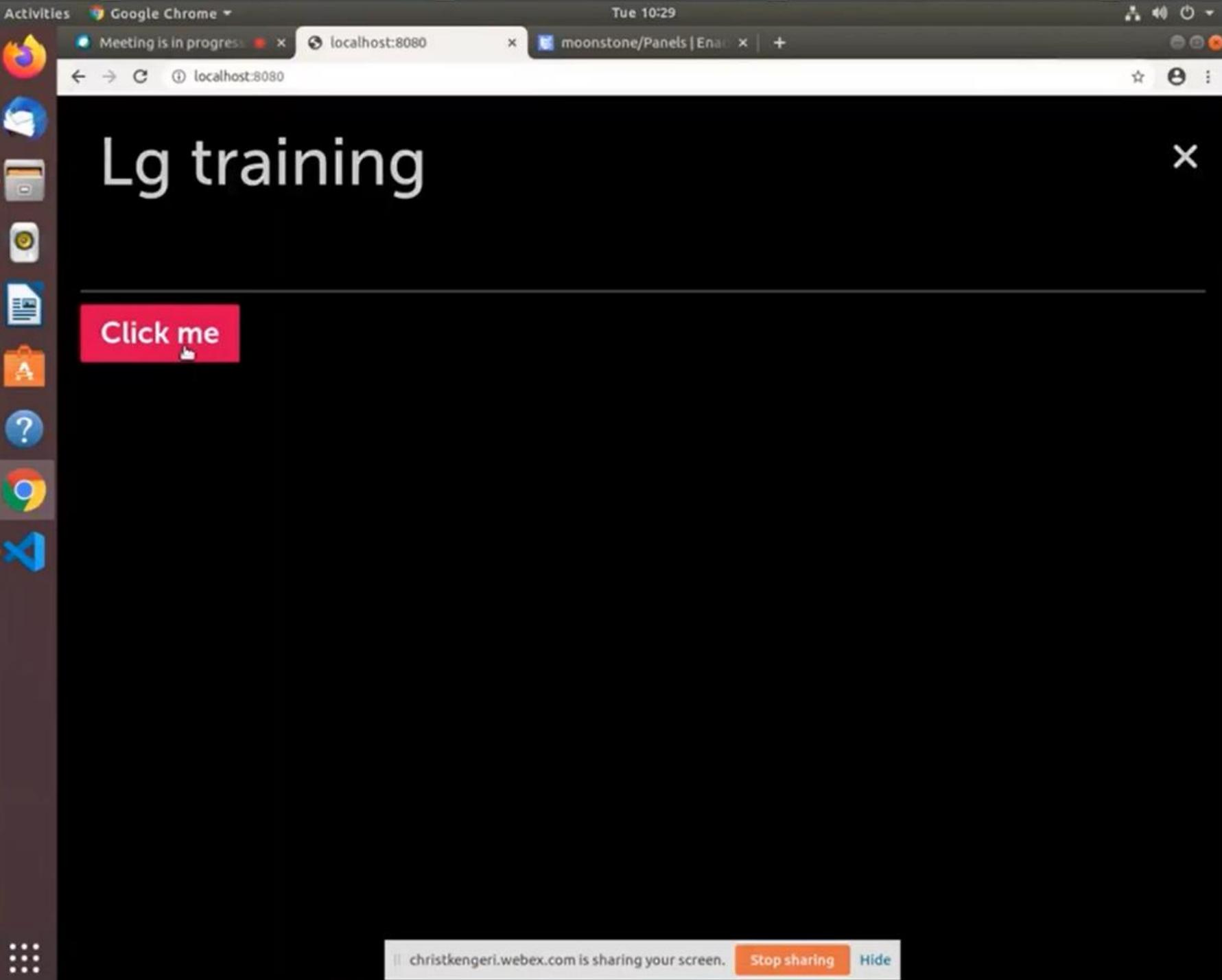
- File Explorer:** On the left, it displays the project structure under "TESTAPPS". The "src/App" folder contains "App.js", "App.less", "App.module.less", "package.json", "components", "views/MainPanel.js", "index.js", ".gitignore", and two "README.md" files.
- Code Editor:** The main area shows the content of "App.js". The code defines a class named "App" which extends "AppBase". It includes styles and a render method that returns a div containing a MainPanel component and some welcome text.
- Terminal:** At the bottom, the terminal shows the output of an npm command:

```
Compiled successfully!
```

You can now view **testapps** in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use `npm run pack-p`.
- Bottom Status Bar:** Shows sharing information ("christkengeri.webex.com is sharing your screen."), tab settings ("Tab Size: 4 UTF-8 LF JavaScript"), and other icons.



Activities Google Chrome ▾ Meeting is in progress | localhost:8080 moonstone/Image | Enact +

Tue 10:30

enactjs.com/docs/modules/moonstone/Image/

Enact

API Libraries Developer Guide Developer Tools Tutorials v3.2.5

Overview core Library i18n Library moonstone Library BodyText Button Checkbox CheckboxItem ContextualPopupDecorator DatePicker DayPicker DaySelector Dialog Dropdown EditableIntegerPicker ExpandableInput ExpandableItem ExpandableList ExpandablePicker FormCheckbox FormCheckboxItem GridListImageItem Heading

moonstone/Image

Edit on GitHub

Provides Moonstone styled Image component that supports multiple resolution sources.

```
<Image src="https://dummyimage.com/64/e048e0/0011ff" style={{height: 64, width: 64}}>
```

Import Image

```
import Image from '@enact/moonstone/Image';
```

Members

Image Component

A Moonstone-styled image component

```
<Image  
  src={({  
    'hd': 'https://dummyimage.com/64/e048e0/0011ff',  
    'fhd': 'https://dummyimage.com/128/e048e0/0011ff',  
    'uhd': 'https://dummyimage.com/256/e048e0/0011ff'  
  })>
```

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<https://enactjs.com/docs/modules/moonstone/>

Activities < Visual Studio Code

Tue 10:36

App.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

> OPEN EDITORS

> TESTAPPS

> node_modules

resources

(1) libmanifest.json

> src

> App

JS App.js

(1) App.less

(1) App.module.less

(1) package.json

> components

> views

JS MainPanel.js

(1) README.md

JS index.js

(1) .gitignore

(1) package.json

(1) README.md

src > App > JS App.js > AppBase > render

```
12     styles: {
13         css,
14         className: 'app'
15     },
16
17     render: (props) => {
18         return (
19             <div {...props}>
20                 <Panels>
21                     <MainPanel />
22                 </Panels>
23             </div>
24         );
25     }
26 });
27
28 const App = MoonstoneDecorator(AppBase);
29
30 export default App;
31 export {App, AppBase};
32
33
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1:npm

Compiled successfully!

You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use npm run pack-p.

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Tab Size: 4 UTF-8 LF JavaScript

File Edit Selection View Go Run Terminal Help

OUTLINE

Timeline

NPM SCRIPTS

0 △ 0

Activities Visual Studio Code ▾

Tue 10:45

MainPanel.js - testapps - Visual Studio Code

The screenshot shows a dark-themed instance of Visual Studio Code running on a Linux desktop. The left sidebar contains a file tree for a project named 'testapps'. The 'src' directory contains 'App' and 'views' folders. 'App' has 'App.js', 'App.less', 'App.module.less', and 'package.json'. 'views' has 'MainPanel.js' (which is currently selected), 'Index.js', '.gitignore', 'package.json', and 'README.md'. The main editor area displays the contents of 'MainPanel.js'. The code uses ES6 syntax and imports components from '@enact/moonstone'. It defines a 'MainPanel' kind with a render function that creates a Panel with a Header, a Button with the text 'Click me', and an image from 'https://loremflickr.com/320/240/dog/'. The code ends with an export statement. Below the editor, the terminal tab shows the output of a build process: 'Compiled successfully!', followed by instructions to view the app at 'http://localhost:8080/' or 'http://192.168.1.35:8080/'. A note at the bottom states that the build is not optimized and suggests using 'npm run pack-p' for production. The status bar at the bottom right shows 'christkengeri.webex.com is sharing your screen.' and other system information like 'Tab Size: 4' and 'JavaScript'.

File Edit Selection View Go Run Terminal Help

EXPLORER

> OPEN EDITORS

TESTAPPS

> node_modules

> resources

libmanifest.json

> src

> App

JS App.js

App.less

App.module.less

package.json

> components

> views

JS MainPanel.js

README.md

JS Index.js

.gitignore

package.json

README.md

src > views > JS MainPanel.js > MainPanel > render

```
1 import Button from '@enact/moonstone/Button';
2 import kind from '@enact/core/kind';
3 import {Panel, Header} from '@enact/moonstone/Panels';
4 import React from 'react';

5 const MainPanel = kind({
6   name: 'MainPanel',
7
8   render: (props) => (
9     <Panel {...props}>
10      <Header title="Lg training" />
11      <Button>Click me</Button><br/>
12      <img src ="https://loremflickr.com/320/240/dog"/>
13    </Panel>
14  )
15);
16
17
18 export default MainPanel;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1:npm

Compiled successfully!

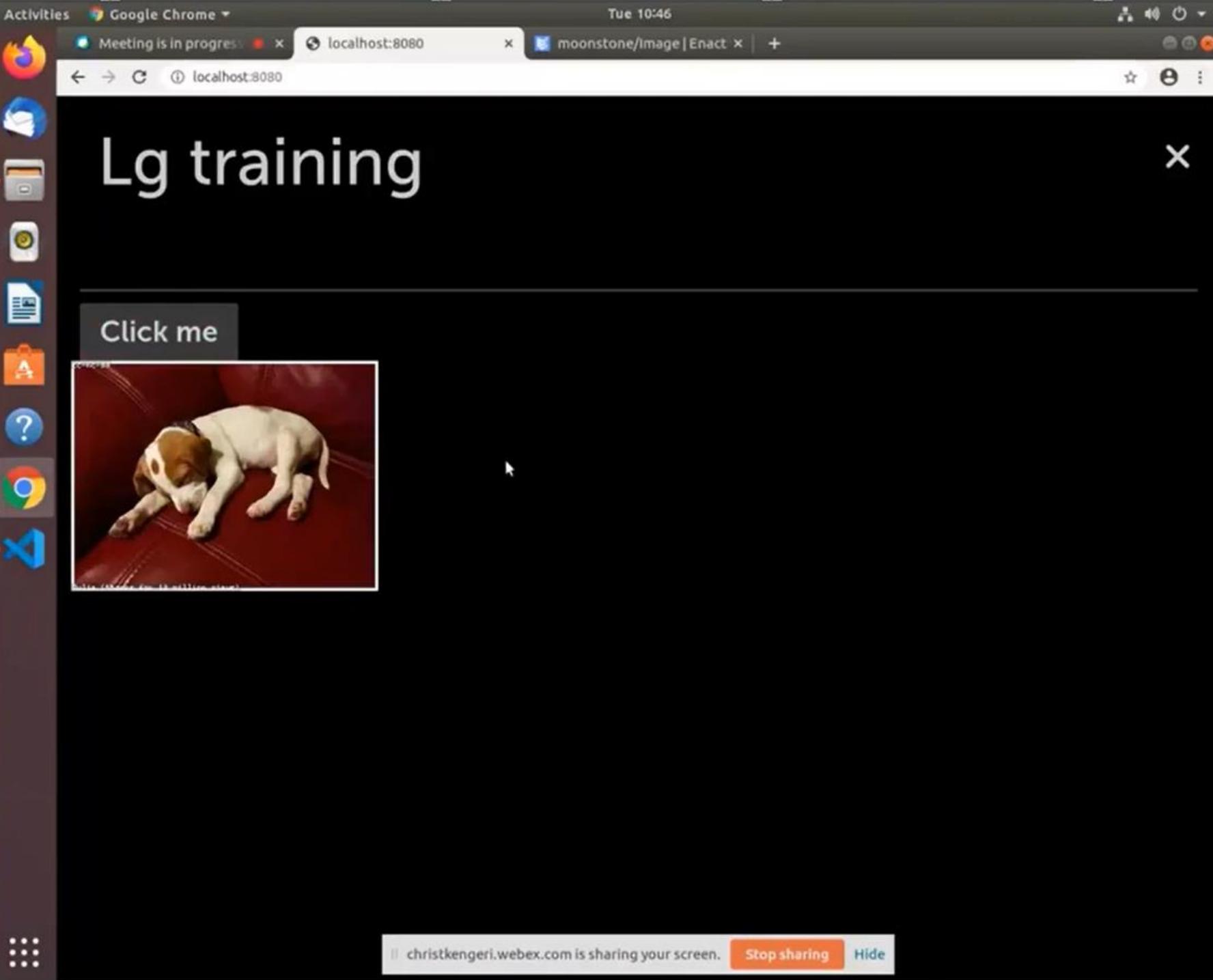
You can now view testapps in the browser.

Local: http://localhost:8080/
On Your Network: http://192.168.1.35:8080/

Note that the development build is not optimized.
To create a production build, use npm run pack-p.

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Tab Size: 4 UTF-8 LF JavaScript



Activities Visual Studio Code Tue 10:46

MainPanel.js - testapps - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS TESTAPPS node_modules resources libmanifest.json src App App.js App.less App.module.less package.json components views MainPanel.js README.md index.js .gitignore package.json README.md

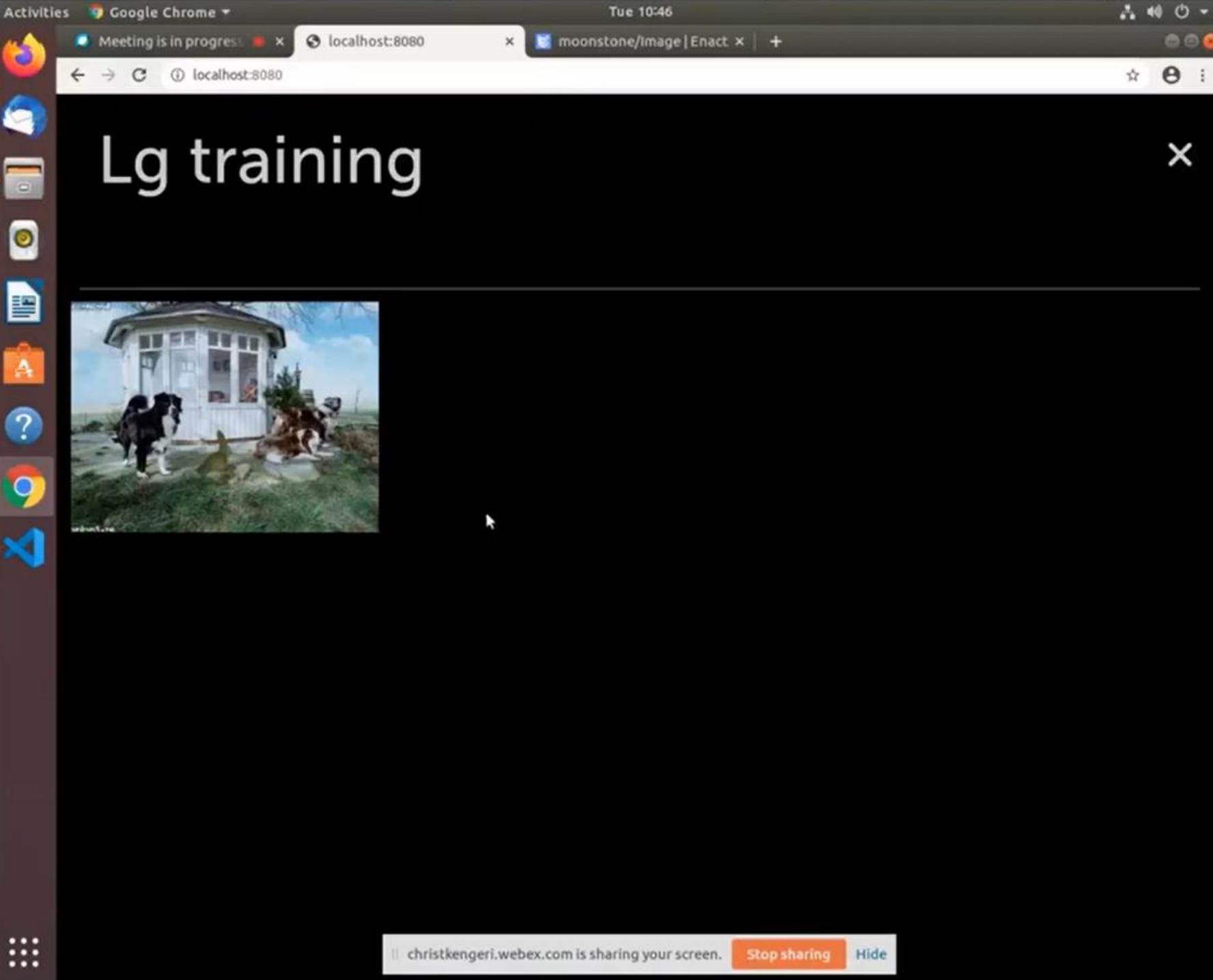
JS App.js JS MainPanel.js App.less

```
src > views > JS MainPanel.js > MainPanel > render
1 import Button from '@enact/moonstone/Button';
2 import kind from '@enact/core/kind';
3 import {Panel, Header} from '@enact/moonstone/Panels';
4 import React from 'react';

5 const MainPanel = kind({
6     name: 'MainPanel',
7
8     render: (props) => (
9         <Panel {...props}>
10            <Header title="Lg training" />
11            
12        </Panel>
13    )
14);
15
16
17 export default MainPanel;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: npm + ^ x Compiling... □

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Create Enact Application

1. Directory Structure
2. The Basics
3. Adding CSS
4. Introducing kind()
 - Stateless Components
 - Class Components

5. Adding Moonstone Support



Luna API Calls

```
import LS2Request from '@enact/webos/LS2Request';
new LS2Request().send({
    service, //com.webos.service.applicationmanager
    method, //running
    parameters: param, //{"subscribe":true}
    onSuccess: (res) => {
        /*res = {
        "subscribed": true,
        "running": [
            {
                "id": "com.example.app.web",
                "webprocessid": "1827",
                "defaultWindowType": "card",
                "appType": "web",
                "processid": "1827"
            }
        ],
        "returnValue": true
    }*/
});
});
```

<https://enactjs.com/docs/modules/webos/LS2Request/>

Webex meeting invitation: Web... x | Cisco Webex Meetings x | spotlight | Enact x | webos/LS2Request | Enact x +

enactjs.com/docs/modules/webos/LS2Request/

Apps Gmail - Email from... Anime Study DenseNet Online Project Man...

 Enact search

HOME GETTING STARTED API

API Libraries Developer Guide Developer Tools Tutorials v3.2.5

Overview core Library i18n Library moonstone Library spotlight Library ui Library

webos Library

LS2Request

application deviceinfo keyboard platform pmloglib speech

webos/LS2Request

Edit on GitHub

Provides a class for making LS2 service requests on webOS platforms.

[Import usage](#)

```
import LS2Request from '@enact/webos/LS2Request';
```

Members

[LS2Request](#) Class

A class for managing LS2 Requests.

[Import usage](#)

```
import LS2Request from '@enact/webos/LS2Request';
```

[Constructor](#)

LS2Request()

Create a new LS2 request

[Methods](#)

Open Source Editor

ENG 10:55
INTL 11-08-2020

spotlight

```
import Spotlight from '@enact/Spotlight';

// get the currently focused component
const current = Spotlight.getCurrent();

// focus an element by CSS selector
Spotlight.focus('.my-custom-class');
```



<https://enactjs.com/docs/modules/spotlight/>

Webex meeting invitation: W | Cisco Webex Meetings | spotlight | Enact | webos/LS2Request | Enact | spotlight | Enact +

enactjs.com/docs/modules/spotlight/ Apps Gmail - Email from... Anime Study DenseNet Online Project Man...

Enact

search

HOME GETTING STARTED API v3.2.5

API Libraries Developer Guide Developer Tools Tutorials

i18n Library moonstone Library **spotlight Library**

spotlight Accelerator Pause SpotlightContainerDecorator SpotlightRootDecorator Spottable

ui Library webos Library

Exports the `spotlight.Spotlight` object used for controlling spotlight behavior and the `spotlight.Spotlight.getDirection` function for mapping a keycode to a spotlight direction.

The default export is `spotlight.Spotlight`.

[Import usage](#)

```
import spotlight from '@enact/spotlight';
```

Members

Spotlight Object

Provides 5-way navigation and focus support

```
import Spotlight from '@enact/Spotlight';

// get the currently focused component
const current = Spotlight.getCurrent();

// focus an element by CSS selector
Spotlight.focus('.my-custom-class');

// is `current` focusable?
const isFocused = Spotlight.isSpottable(current);
```

States

```
add(containerIdOrConfig, {config}) → String
```

Adds the config for a new container. The container ID must be passed in the configuration.

Open Source Edit

ENG 10:58 INTL 11-08-2020

i18n

```
import $L, {toString} from '@enact/i18n/$L';
$L('Close'); // => "Close" in the current locale
```

[https://enactjs.com/docs/modules/i18n/\\$L/](https://enactjs.com/docs/modules/i18n/$L/)



Thank You

Muniraju A.

Email: muniraju.a@lge.com



Webex meeting invitation: Web... | Cisco Webex Meetings | spotlight | Enact | spotlight | Enact | +

enactjs.com/docs/modules/ui/Scroller/#ScrollerBase

Apps Gmail - Email from... Anime Study DenseNet Online Project Man...



Enact

search

HOME GETTING STARTED API

API Libraries Developer Guide Developer Tools Tutorials v3.2.5

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ui/Scroller

Edit on GitHub

Unstyled scroller components and behaviors to be customized by a theme or application.

Import usage

```
import Scroller from '@enact/ui/Scroller';
```

Members

Scroller Component

An unstyled scroller.

Example

```
<Scroller>Scroll me.</Scroller>
```

Import usage

```
import Scroller from '@enact/ui/Scroller';
```

Extends: ui/Scroller ScrollerBase

ScrollerBase Component

ENG 11:04
INTL 11-08-2020

The Way Ahead

Phase – II : Ideation phase (12th August, 2020 – 28th August, 2020)

Phase – III : Hackathon phase (14th September, 2020 onwards)

A peep into LG webOS GIP 2019

- Internship : 22nd April, 2019 to 24th May, 2019
- Hackathon from 27th May 2019
- Total 13 teams participated
- Total 7 teams reached the final stage
- Result : 23rd July, 2019 during VA Indo-Korean Utsav
- 3 teams from CU and 4 teams from KNU reached the finals of the contest
- KNU won the first prize and the second runner up prize
- 1 CU team was the first runner up and the rest 2 teams won the outstanding innovator award for the hackathon contest
- The combined prize money last year was 1 Lakh INR and was divided into 1st, 2nd and 3rd winners

Few of the entries received last year

- Smart bed
- Customizing user experience via face recognition on webOS
- Heart Disease and Fertility Prediction
- Home Automation using WebOS on Raspberry pi
- Expiry Date Reminder System(Exspirare)
- Remote-less smart TV (Voice and Gesture Control)
- WAIT-LESS (Automated Ordering System)
- Smart cooking system
- TV Access using facial recognition
- Kwin- The agricultural assistant
- Smart Baggage System
- A VNC server app for WebOS OSE

Some probable domains

Smart homes :

Blind and Lights, Security and Locks, Games and Speakers, Assisting Robots

Smart Cities :

Environment monitors, Water Management, Smart bins and Traffic Management

Smart healthcare :

Patient monitoring, Medicine Management, Patient assistance, Connected Body Sense

Evaluation Criteria

Technical Capability	Problem Definition	Did they understand the problem, and did they analyze multiple aspects of the problem? Did the group come up with a good solution to the initial problem or challenge?
	Solution Creation	How creative or innovative is the solution? Approach to solution
Execution	Demo	Does the hack work? Does the hack demonstrate core solution to the problem defined?
	webOS	Number of webOS components used? Taking advantage of web technology
	Polish	How well designed is their demo? Use of UX & UI Is it easy to use or does it require a lot of training to master the demo?
Showcase	Presentation	Overall presentation Does the presentation capture alternate solution, differentiation points and future roadmap

Thankyou

Any Questions ?

Q&A

[PLAT-11728] oss-plg-info.yaml | [PLAT-100563] [TV] [O20]: In well | com.webos.service.camera2 | well +

webosose.org/docs/reference/lis2-api/com-webos-service-camera2/#startcapture

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WebOS Open Source Edition

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Reference

- com.webos.service.audiooutput
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- com.webos.service.config
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- com.webos.service.connectionmanager
- com.webos.service.contextintentmgr
- com.webos.service.db
- com.webos.service.devmode
- com.webos.service.downloadmanager
- com.webos.service.filecache
- com.webos.service.location
- com.webos.service.memorymanager
- com.webos.service.pdm
- com.webos.service.power
- com.webos.service.preferences
- com.webos.service.rosbridge
- com.webos.service.settings
- com.webos.service.sleep
- com.webos.service.swupdater

Starts capturing images using the camera. The captured images are stored as separate files at the location given by the "path" parameter.

The default file name is of the format *PictureDDMMYYYY-HHMMSS*, where *DDMMYYYY-HHMMSS* is current date and time.

Example: /tmp/Picture11022019-204128.jpeg

By default, captured images are saved in the **/tmp/** folder.

Parameters

Name	Required	Type	Description
handle	Required	Number	Indicates the handle for the device obtained using the open() API.
params	Required	Object: camera_capture_format	Indicates the size and format of the images to be captured.
path	Optional	String	Indicates the location where the captured images are to be saved. Note: The API returns an error (error code 45) if the path specified is read-only.

Call Returns

Name	Required	Type	Description
returnValue	Required	Boolean	Indicates the status of the operation. Possible values are: <ul style="list-style-type: none"> • true: Indicates that the operation was successful. • false: Indicates that the operation failed. Check the "errorCode" and "errorText" fields for details.

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