itera

MAKE A DIFFERENCE

Begynn å klone repoet på:
https://github.com/Itera/ReactVR-kurs

😊

Storytelling

Hvis du har kjøpt reiseforsikring hos **Gjensidige**, streamet Game of Thrones fra **RiksTV** på nett, opprettet aksjesparekonto hos **Storebrand**, hentet medisiner fra **Boots** eller **Apotek1**, betalt med bankkort i en betalingsterminal fra **Nets**, fått inkasso fra **Kredinor**, kjøpt nye sko hos **Eurosko**, ringt kundeservice hos **Santander**, meldt tyveri av mobil til **If**, betalt **EuroPark**-parkering ved hjelp av skiltgjenkjenning…

da har du brukt tjenester som Itera har vært med på å utvikle!

Litt fakta om oss

- Itera er et kommunikasjons- og teknologiselskap.
- Tverrfaglige team: rådgivning, UX, test og utvikling.
- Underkant av 250 ansatte i Norge.
- Kontorer i Bratislava og Kiev.

itera

MAKE A DIFFERENCE

KOMPETENT

Vi er stolte av faget vårt

NYSKAPENDE

Vi har et trent blikk for trender

LIDENSKAPELIG

Vi har et ønske om å utgjøre en forskjell



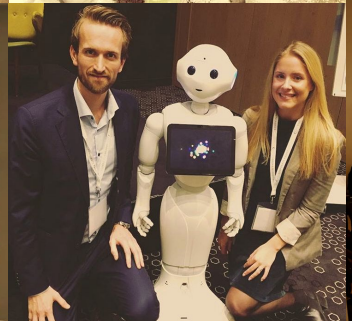
CODENAMES
DECEPTION

itera
itera




12
51
306

Web
summit


itera


THE TWO SCHOOLS (TOOLS)

React VR

Begynn å klone repoet på:
https://github.com/Itera/ReactVR-kurs

😊

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MAKE A DIFFERENCE

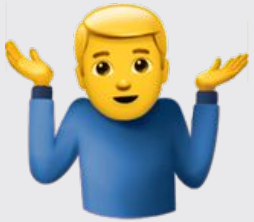
VR = Virtual Reality

Hva kan det brukes til?

Bilde fra http://www.starwars.com/news/star-wars-battlefront-playstation-vr-rogue-one-scarif-expansion-and-ultimate-edition-details

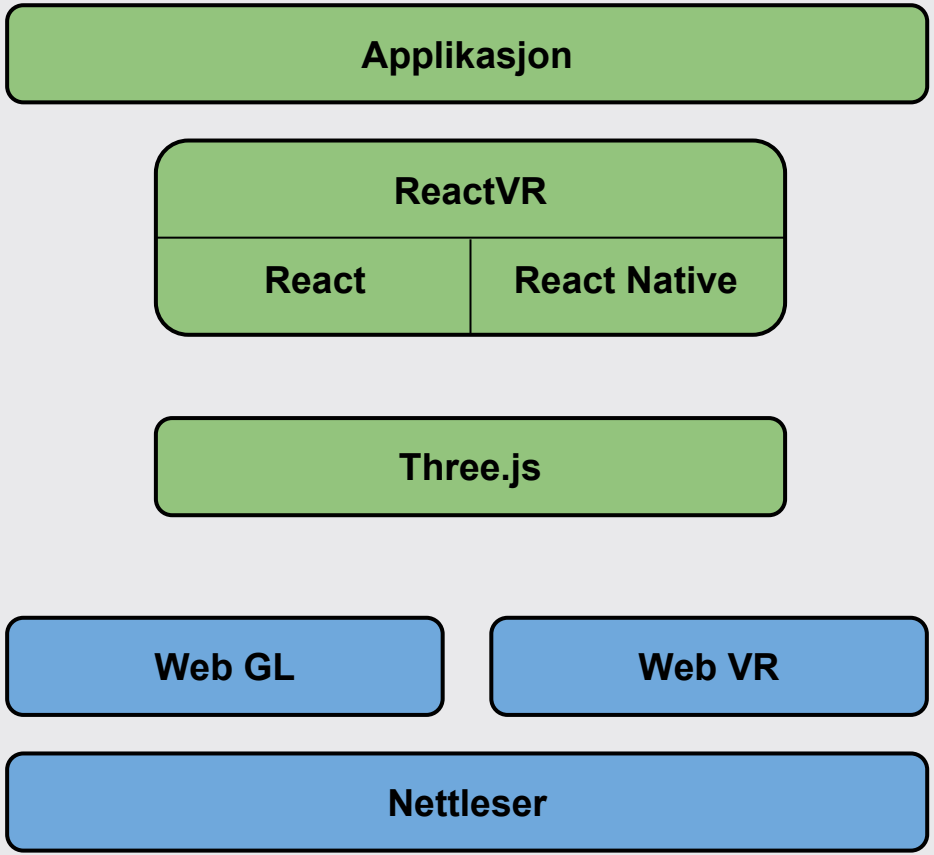
ReactVR

Hvorfor skal vi bry oss?



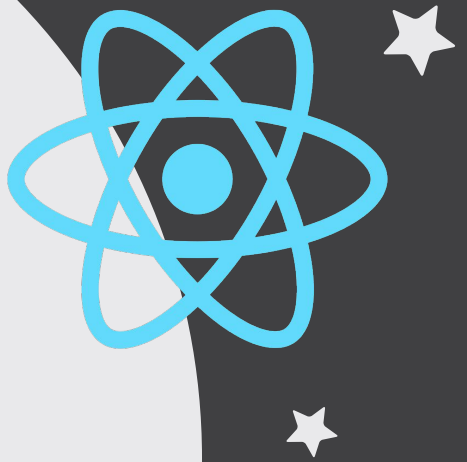
Tech stack

- Javascript
- Nettleser API



React?

Vi starter med en kort introduksjon



🤔💡 Hva er spesielt med React?

- **React er et Javascript-bibliotek for å lage brukergrensesnitt.**

👍 ENKELT OG EFFEKTIVT

- **Deklarativt**: sier *hva* som skal gjøres, ikke *hvordan*
- Oppdaterer kun de delene som trengs

👍 KOMPONENTBASERT

- Deler inn i **komponenter**
  Lettere å gjenbruke kode
- En komponent har en *tilstand*: **state** + **props**
- **Render()** sier hvordan komponenten skal vises

Hva er spesielt med React?

ENKELT

- **Deklarativt**: sier *hva* som skal gjøres, ikke *hvordan*

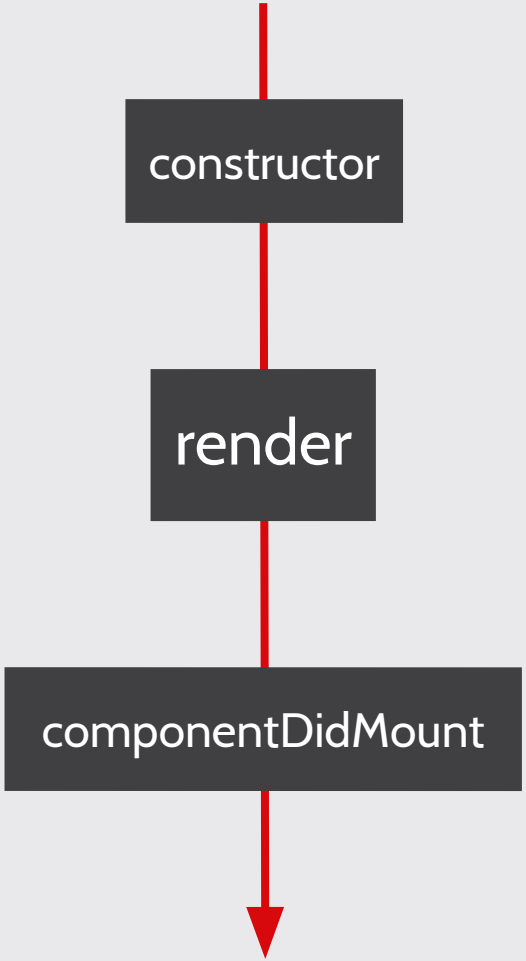
EFFEKTIVT

- Oppdaterer kun de delene som trengs

KOMPONENTBASERT

- Deler inn i **komponenter**
- Lettere å gjenbruke kode

En React-komponent



En komponents “lifecycle”

Et lite kodeeksempel

```
class Counter extends React.Component {
  constructor(props) {
    super(props);
    this.state = { count: props.initialCount };
  }

  handleCount() {
    this.setState(prevState => ({
      count: prevState.count + 1
    }));
  }

  render() {
    return ( Current count: {this.state.count} );
  }
}
```

Et lite kodeeksempel

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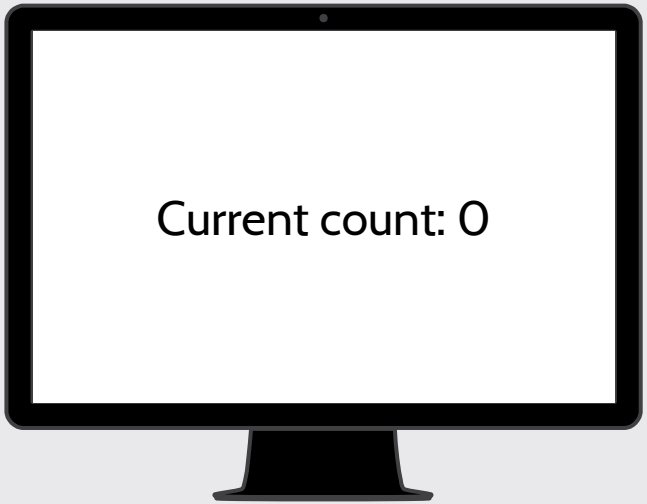
Et lite kodeeksempel

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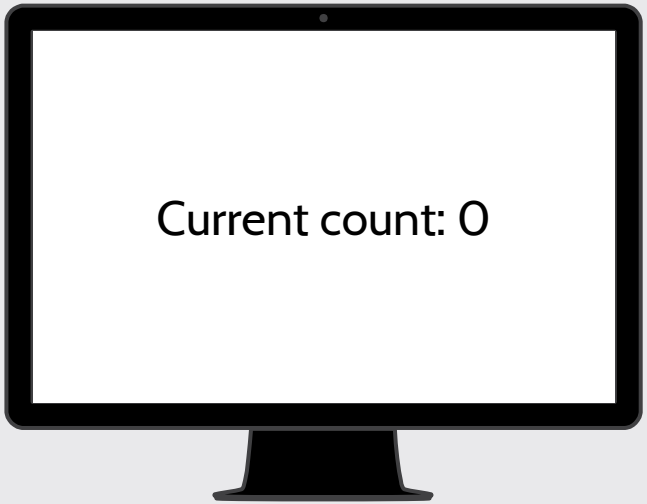
Et lite kodeeksempel

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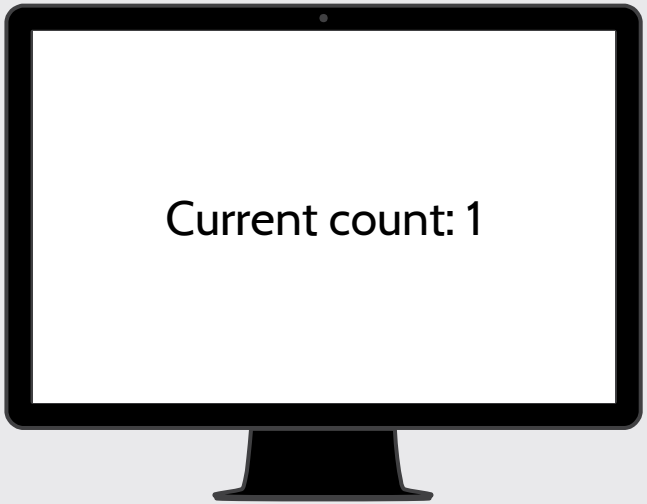


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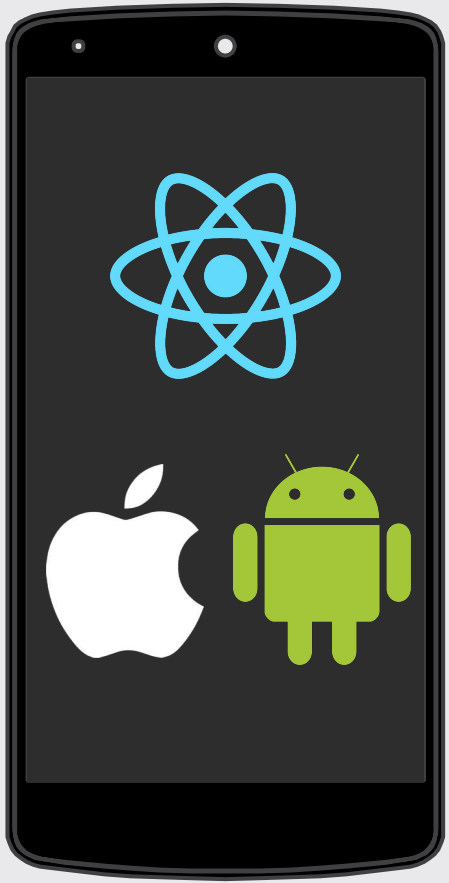


React Native

Native apps på Iphone
og Android med React

ReactVR

En intro til rammeverket

Eksempel

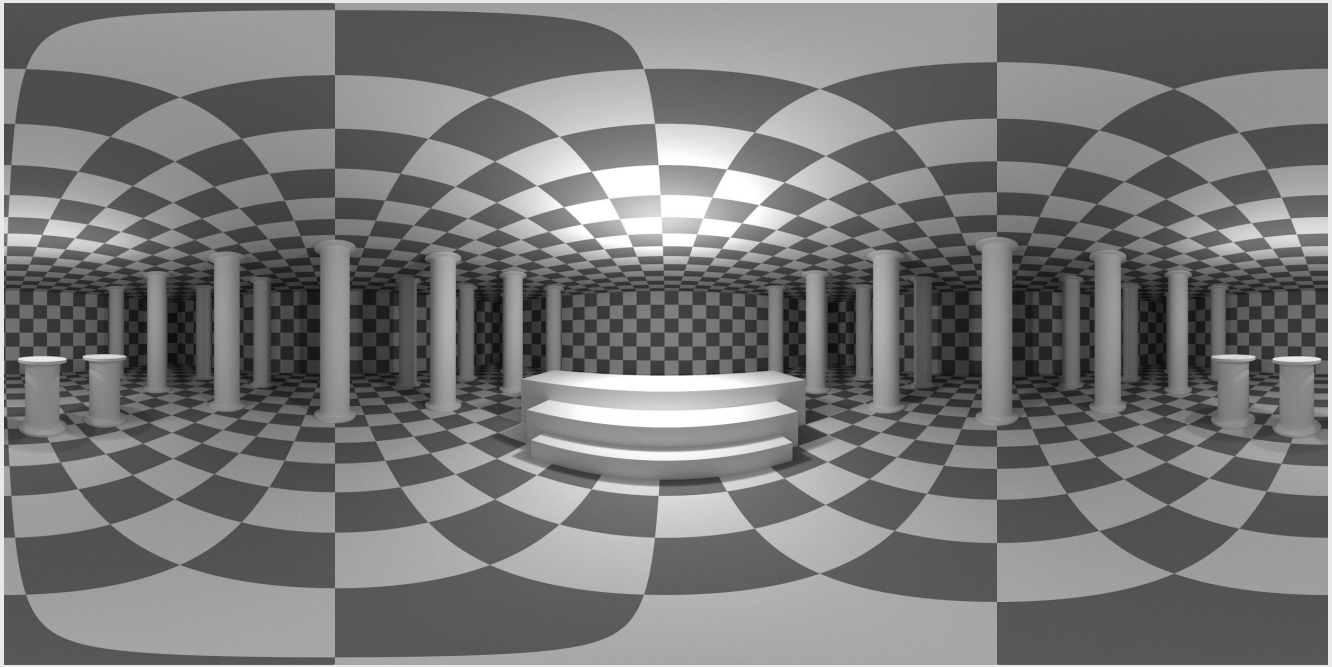
```
import React from 'react';
import {AppRegistry, asset, Pano, View} from 'react-vr';

export default class IteraGame extends React.Component {
 render() {
   return (
     <View>
       <Pano source={asset('chess-world.jpg')}/>
       <Text
         style={{
           backgroundColor: '#777879',
           fontSize: 0.8,
           fontWeight: '400',
           layoutOrigin: [0.5, 0.5],
           transform: [{translate: [0, 0, -3]}],
         }}>
         Velkommen til ReactVR kurs!
       </Text>
     </View>
   );
 }};
AppRegistry.registerComponent('IteraGame', () => IteraGame);
```


Velkommen til ReactVR kurs!

Komponenter - kjerne

- **View:** Tom komponent, tilsvarende div i html
- **Pano:** Et 360° bilde eller en kombinasjon av flere bilder som omringer 3d.
- **Image:** Visning av bilde
- **Text:** Visning av tekst

Komponenter - kjerne



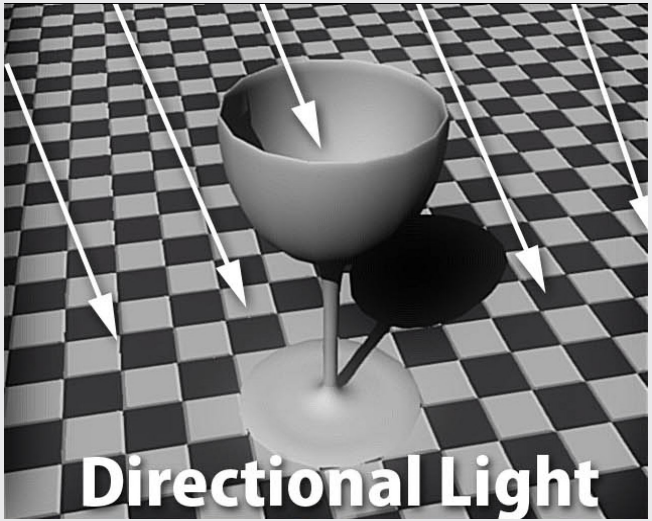
Pano eksempel

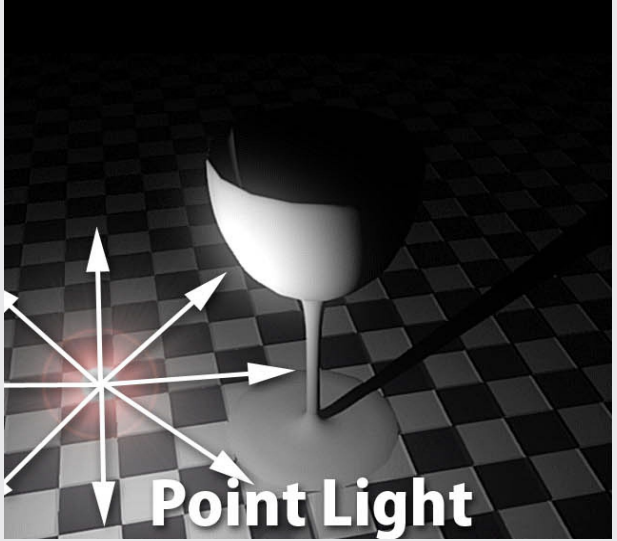
Komponenter - lys

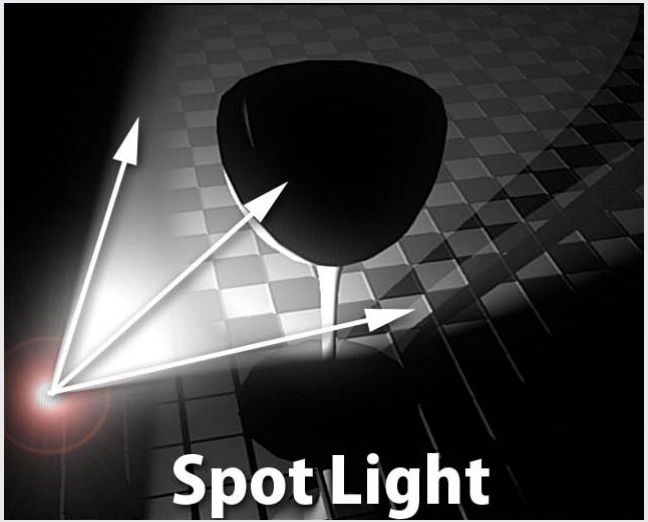
- AmbientLight
- DirectionalLight
- PointLight
- SpotLight

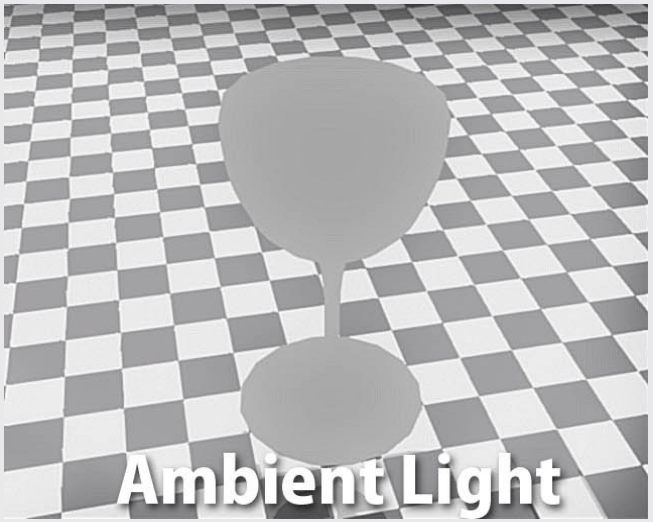
```
render() {
 return (
   <View>
     <Pano source={asset('chess-world.jpg')}/>
     <AmbientLight intensity={0.5} />
     <PointLight
       style={{color:'white', transform:[{translate:[0, 0, 0]}] }}/>
   </View>
 );
}
```

Komponenter - lys



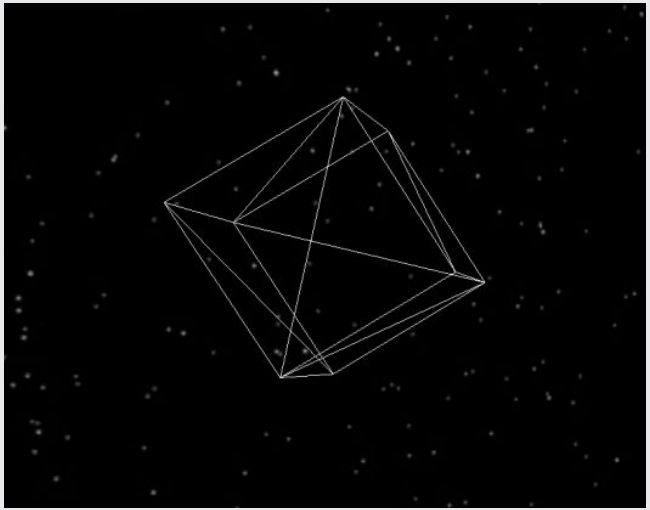






Komponenter - 3D modeller

- Box
- Cylinder
- Sphere
- Plane
- Model



Komponenter - diverse

- Sound
- Video
- VrButton

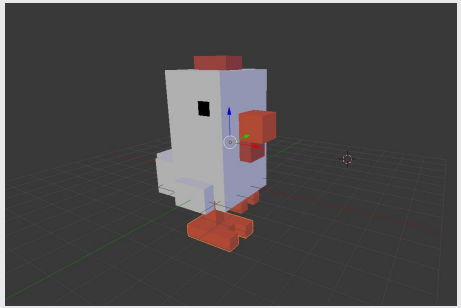
```
<VrButton onClick={()=>this._handleClick()}>
      <Image style={{height: 2.0, width: 2.0}} source={{uri: "..."}}>
            <Sound source={{ mp3: asset('waterfall.mp3') }} />
      </Image>
</VrButton>
```

Styling

Hvordan designe komponenter i 3D?

Veldig likt som i css, med noen unntak:

- Avstander måles i meter
- **Transforms** bestemmer posisjon og rotasjon til komponenten. Vi bruker [x,y,z] koordinater



Animasjoner

Legg til bevegelser
på dine komponenter

Animated from react-vr

- Animated er brukt for å lage enkle animasjoner i ReactVR
- Animated bruker .start() og .stop() med tidsintervall
- Animated støtter blant annet:
  - Timing, spring ++

Eksempel

```
  componentDidMount() {
      this.spinAnimation();
  }

  spinAnimation() {
      this.state.spin.setValue(0);
      Animated.timing(
          this.state.spin,
          {
          toValue: 1,
          duration: 10000
          }
      ).start( () => this.spinAnimation());
  }
render() {
  return (
      <AnimatedModel
           style={{
                      {rotateY: this.state.spin}
                  ]
              }}
  );
}
```

Takk for oss!

Nå er det deres tur,
oppgaver finner dere på:

https://github.com/Itera/ReactVR-kurs

Si ifra dersom dere trenger hjelp! 😊

Takk for oss!

Rekker du ikke å bli ferdig?

Sjekk ut den ferdige oppgaven her:

http://363dddeb.ngrok.io/vr/

Anbefaler også å laste ned Google Cardboard appen for mange kule VR-eksempler! 😊

Instructions for use

EDIT IN GOOGLE SLIDES

Click on the button under the presentation preview that says "Use as Google Slides Theme".

You will get a copy of this document on your Google Drive and will be able to edit, add or delete slides.

You have to be signed in to your Google account.

EDIT IN POWERPOINT®

Click on the button under the presentation preview that says "Download as PowerPoint template". You will get a .pptx file that you can edit in PowerPoint.

Remember to download and install the fonts used in this presentation (you'll find the links to the font files needed in the Presentation design slide)

More info on how to use this template at www.slidescarnival.com/help-use-presentation-template

Hello!

I am Jayden Smith

I am here because I love to give presentations. You can find me at @username

1

Transition headline

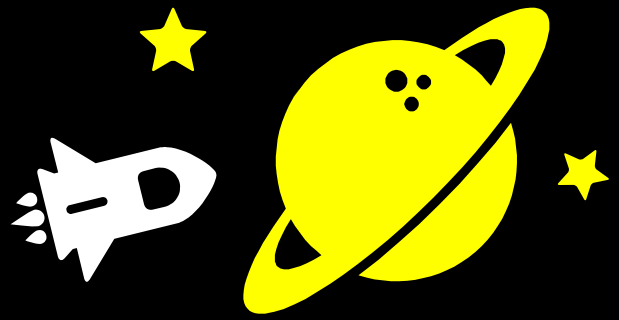
Let’s start with the first set of slides

Quotations are commonly printed as a means of inspiration and to invoke philosophical thoughts from the reader.

This is a slide title

- Here you have a list of items
- And some text
- But remember not to overload your slides with content

Your audience will listen to you or read the content, but won’t do both.



BIG CONCEPT

Bring the attention of your audience over a key concept using icons or illustrations

You can also split your content

White

Is the color of milk and fresh snow, the color produced by the combination of all the colors of the visible spectrum.

Black

Is the color of coal, ebony, and of outer space. It is the darkest color, the result of the absence of or complete absorption of light.

In two or three columns

Yellow

Is the color of gold, butter and ripe lemons. In the spectrum of visible light, yellow is found between green and orange.

Blue

Is the colour of the clear sky and the deep sea. It is located between violet and green on the optical spectrum.

Red

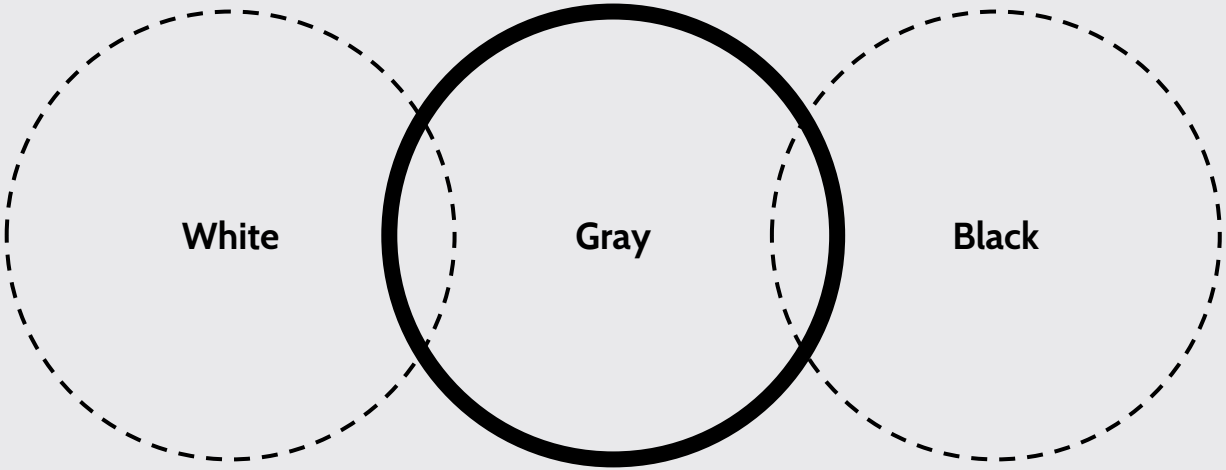
Is the color of blood, and because of this it has historically been associated with sacrifice, danger and courage.

A picture is worth a thousand words

A complex idea can be conveyed with just a single still image, namely making it possible to absorb large amounts of data quickly.


Want big impact?
Use big image.

Use charts to explain your ideas



And tables to compare data

	A	B	C
Yellow	10	20	7
Blue	30	15	10
Orange	5	24	16

Maps

89,526,124

Whoa! That’s a big number, aren’t you proud?

89,526,124$

That’s a lot of money

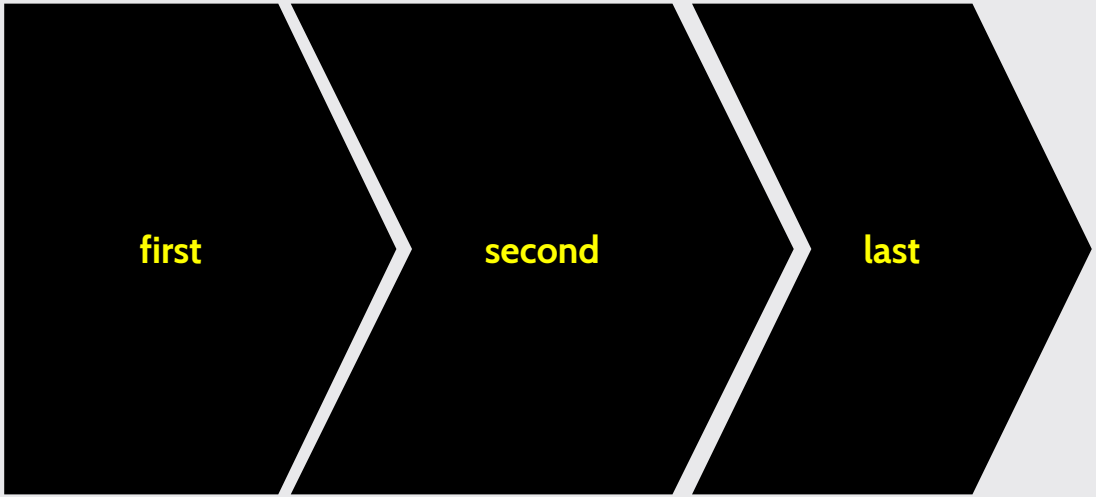
185,244 users

And a lot of users

100%

Total success!

Our process is easy



Let’s review some concepts

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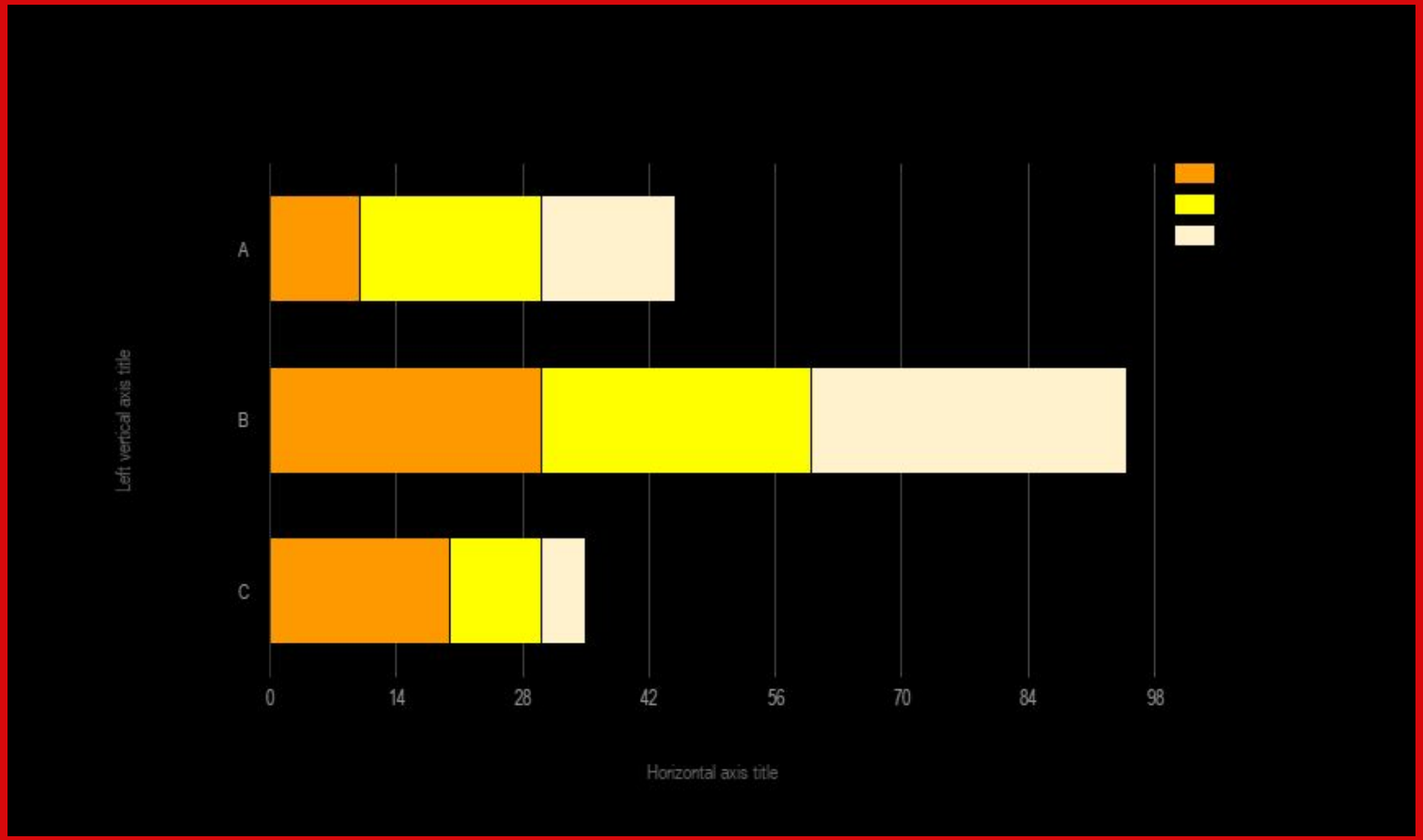
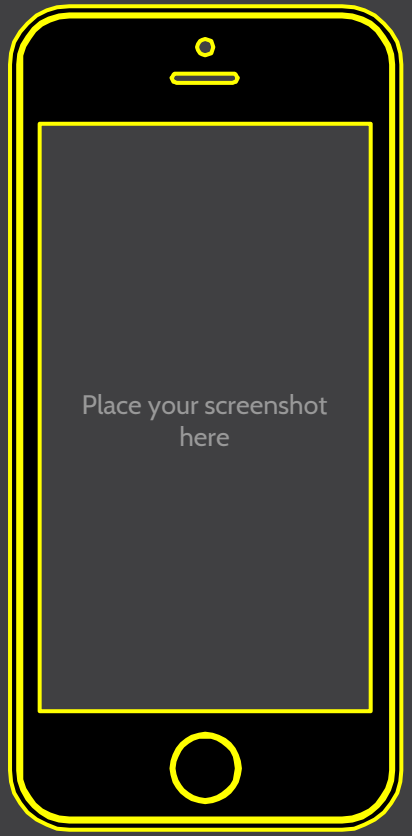


You can copy&paste graphs from Google Sheets

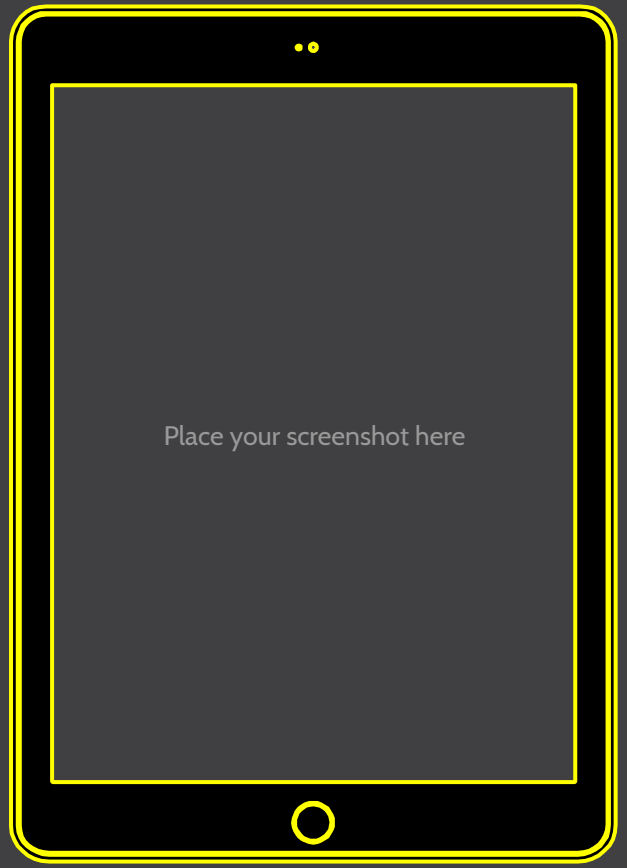
Android project

Show and explain your web, app or software projects using these gadget templates.



iPhone project

Show and explain your web, app or software projects using these gadget templates.



Tablet project

Show and explain your web, app or software projects using these gadget templates.

Desktop project

Show and explain your web, app or software projects using these gadget templates.

Thanks!

Any questions?

You can find me at
@username & user@mail.me

Credits

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by SlidesCarnival
- Photographs by Unsplash

Presentation design

This presentation uses the following typographies and colors:

- Titles: **Cabin condensed**
- Body copy: **Cabin**

You can download the fonts on this page:

https://www.google.com/fonts#UsePlace:use/Collection:Cabin:400,700,400italic,700italic|Cabin+Condensed:400,700

Click on the “arrow button” that appears on the top right 

- Black **#000000**
- Yellow **#ffff00**

You don’t need to keep this slide in your presentation. It’s only here to serve you as a design guide if you need to create new slides or download the fonts to edit the presentation in PowerPoint®

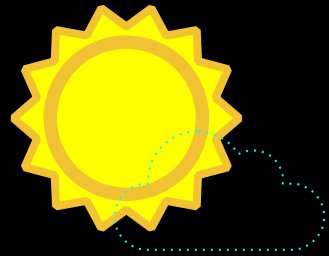
SlidesCarnival icons are editable shapes.

This means that you can:

- Resize them without losing quality.
- Change fill color and opacity.
- Change line color, width and style.

Isn't that nice? :)

Examples:



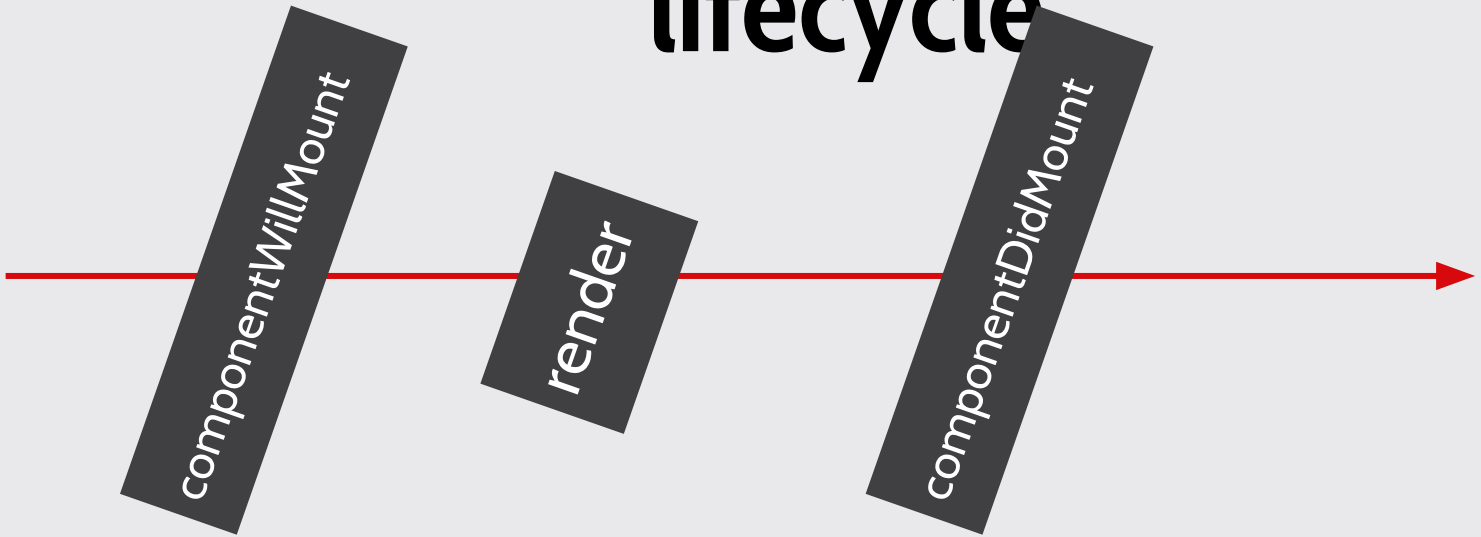
Now you can use any emoji as an icon!
And of course it resizes without losing quality and you can change the color.

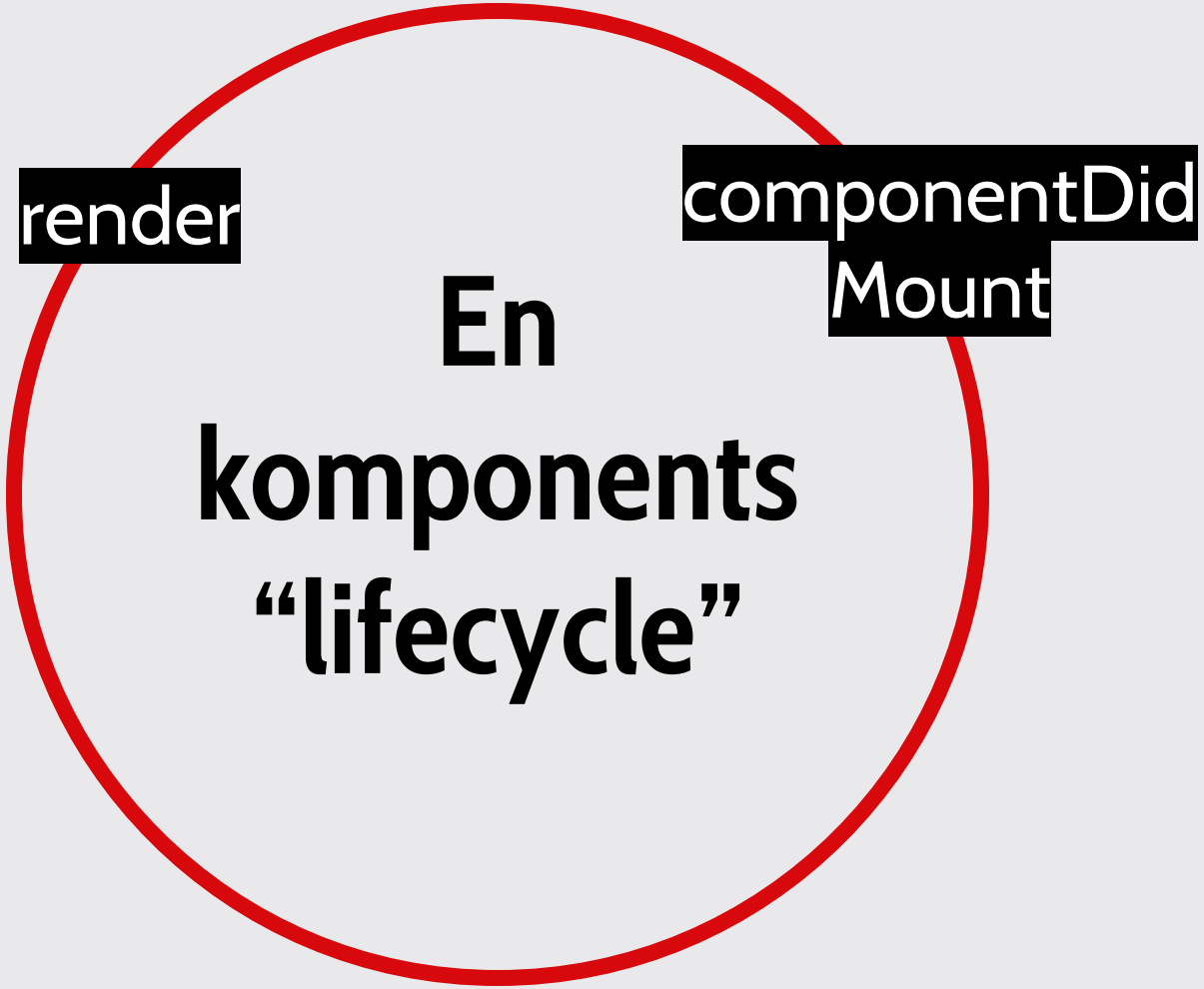
How? Follow Google instructions
https://twitter.com/googledocs/status/730087240156643328

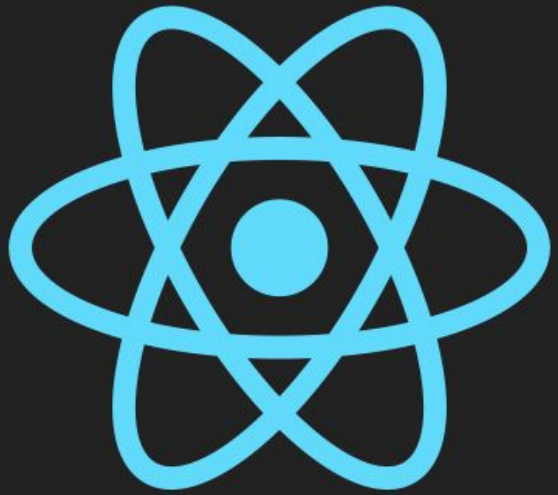
Velkommen til kurs med oss!

itera
MAKE A DIFFERENCE

En komponents “lifecycle”




render
componentDid
Mount
En
komponents
“lifecycle”



ReactVR