



OKAN ÜNİVERSİTESİ
İSTANBUL

BULUT BİLİŞİM – RN Kavramlar

Levent YILDIZ

<http://www.leventyildiz.com.tr>

<https://github.com/lvntyldz>

★ JDK Version?

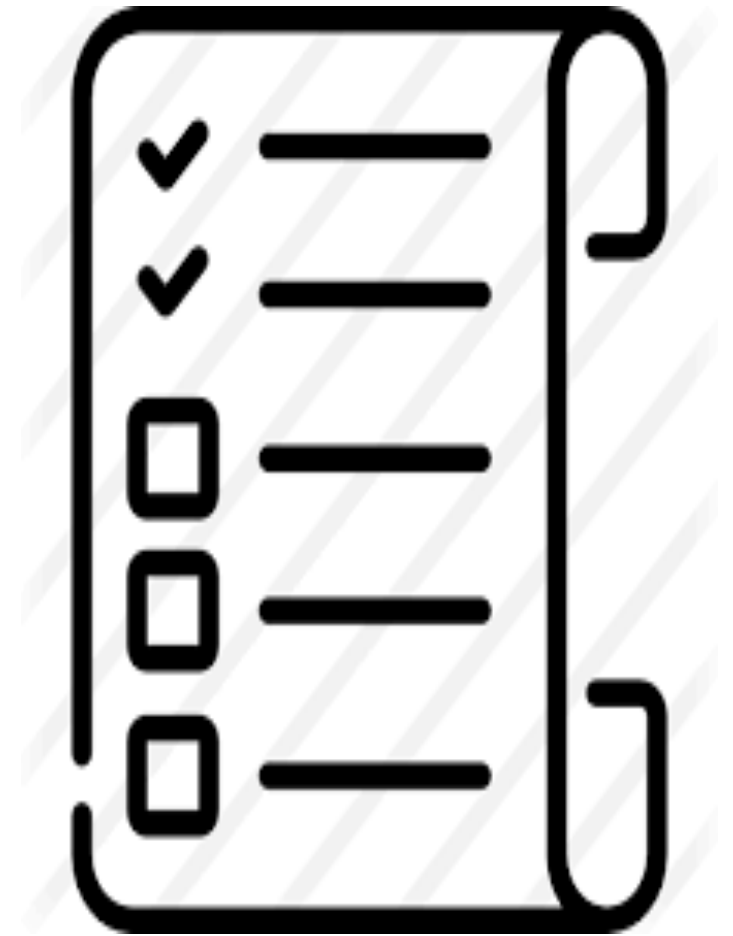
★ NODE Version?

★ NPM Version?

★ React Native Version?

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.9926]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\joanpaon>node -v
v0.12.7
C:\Users\joanpaon>
```



Proje Oluşturma

 `$ react-native init <ProjeAdı>`

✨ Done in 10.26s.

info Installing required CocoaPods dependencies

Run instructions for iOS:

- `cd mmot225Demo1 && react-native run-ios`
- or -
- Open `mmot225Demo1/ios/mmot225Demo1.xcworkspace` in Xcode or run `"xed -b ios"`
- Hit the Run button

Run instructions for Android:

- Have an Android emulator running (quickest way to get started), or a device connected.
- `cd mmot225Demo1 && react-native run-android`

Beklenen Sonuç

 Simulator ile Çalıştırma

 \$ react-native run-ios

 \$ react-native run-android

 \$ react-native start | \$ npm start

Simulator Bulunamadı!

```
leventyildiz:mmot225Demo1 leventyildiz$ react-native run-ios  
info Found Xcode workspace "mmot225Demo1.xcworkspace"  
error Could not find "iPhone X" simulator. Run CLI with --verbose flag for more details.
```

\$ xcrun simctl list

\$ react-native run-ios --simulator="iPhone 8"

Simulator Bulunamadı!

```
leventyildiz:mmot225Demo1 leventyildiz$ react-native run-ios  
info Found Xcode workspace "mmot225Demo1.xcworkspace"  
error Could not find "iPhone X" simulator. Run CLI with --verbose flag for more details.
```

 [NM/react-native/local-cli/runIOS/runIOS.js](#)

 `$ npm run ios8`



react-native run-android

BUILD FAILED in 13s

error Failed to install the app. Make sure you have an Android emulator running or a device connected. Run CLI with --verbose flag for more details.
Error: Command failed: ./gradlew app:installDebug -PreactNativeDevServerPort=8081

FAILURE: Build failed with an exception.



\$ emulator -list-avds



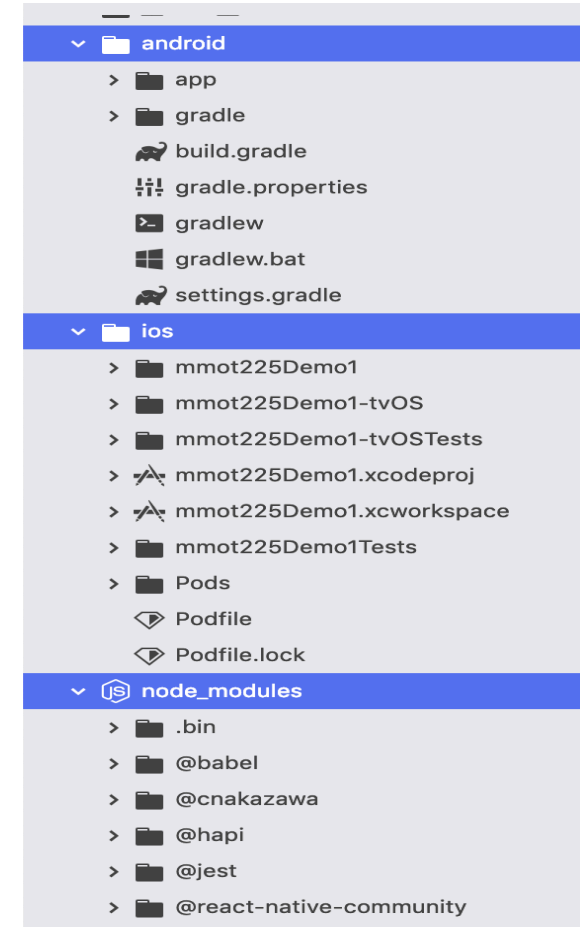
"android29": "emulator -avd Nexus6API29 &",

 Editör ile Gösterim

 \$ cd <ProjeAdı> && atom .

 Android Studio ile Gösterim

 Xcode ile Gösterim



 XML?

 HTML?

 JS?

 JSX?

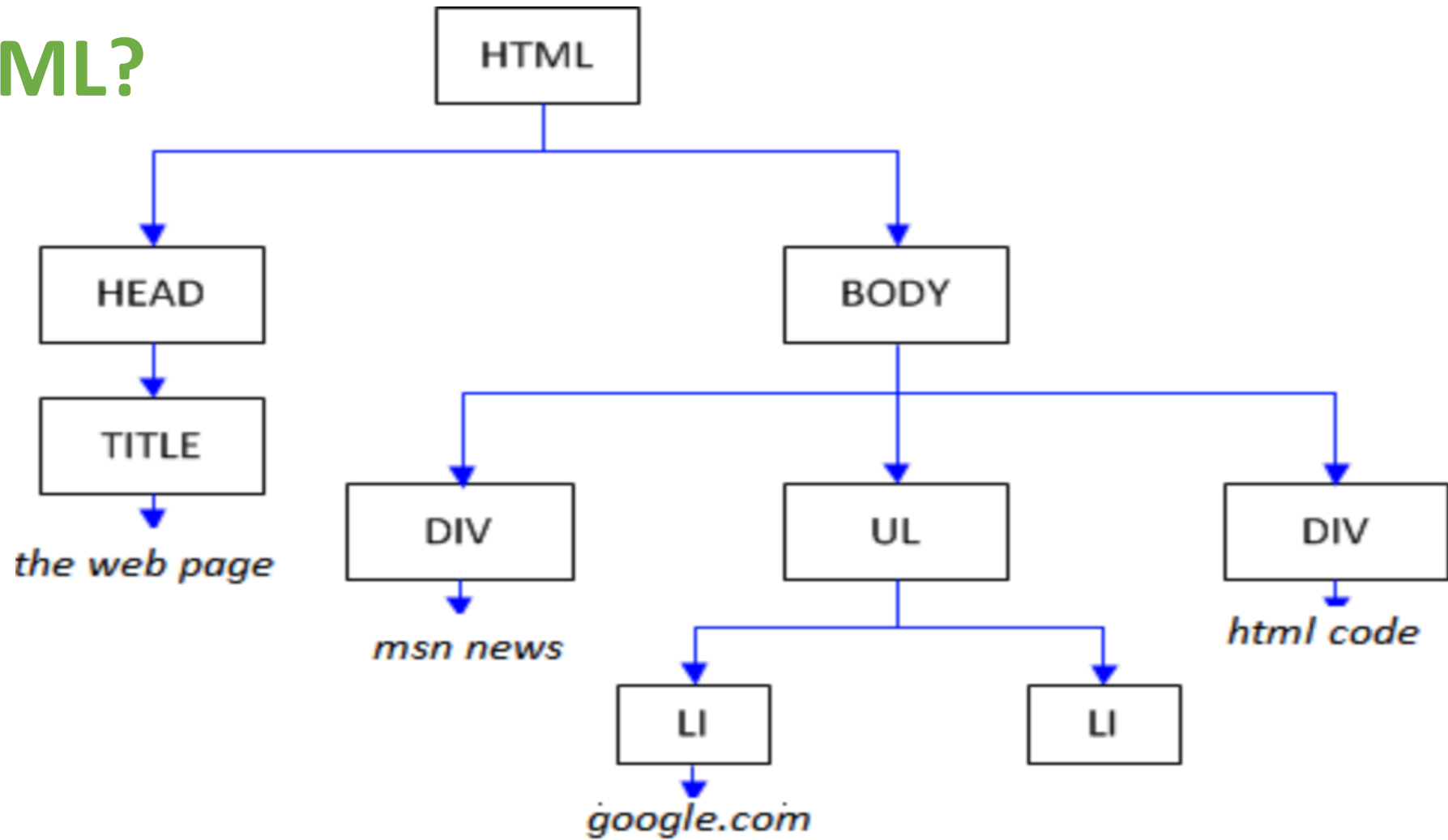


XML?

```
- <employees>
  - <person id="1392">
    <name>John Smith</name>
    <dob>1974-07-25</dob>
    <start-date>2004-08-01</start-date>
    <salary currency="USD">35000</salary>
  </person>
  - <person id="1395">
    <name>Clara Tennison</name>
    <dob>1968-03-15</dob>
    <start-date>2003-05-16</start-date>
    <salary currency="USD">27000</salary>
  </person>
</employees>
```

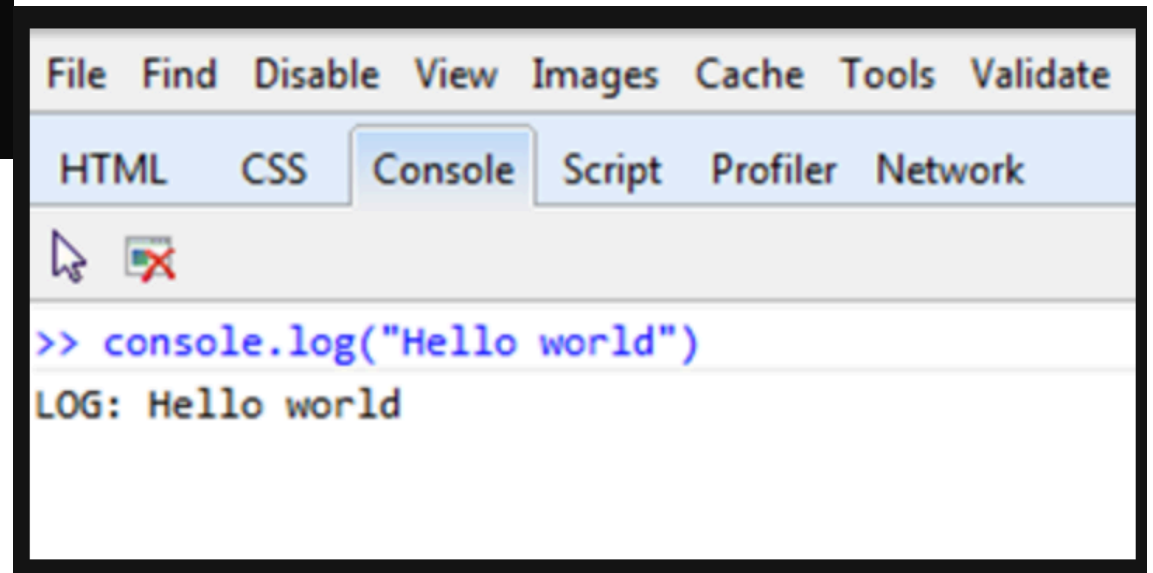


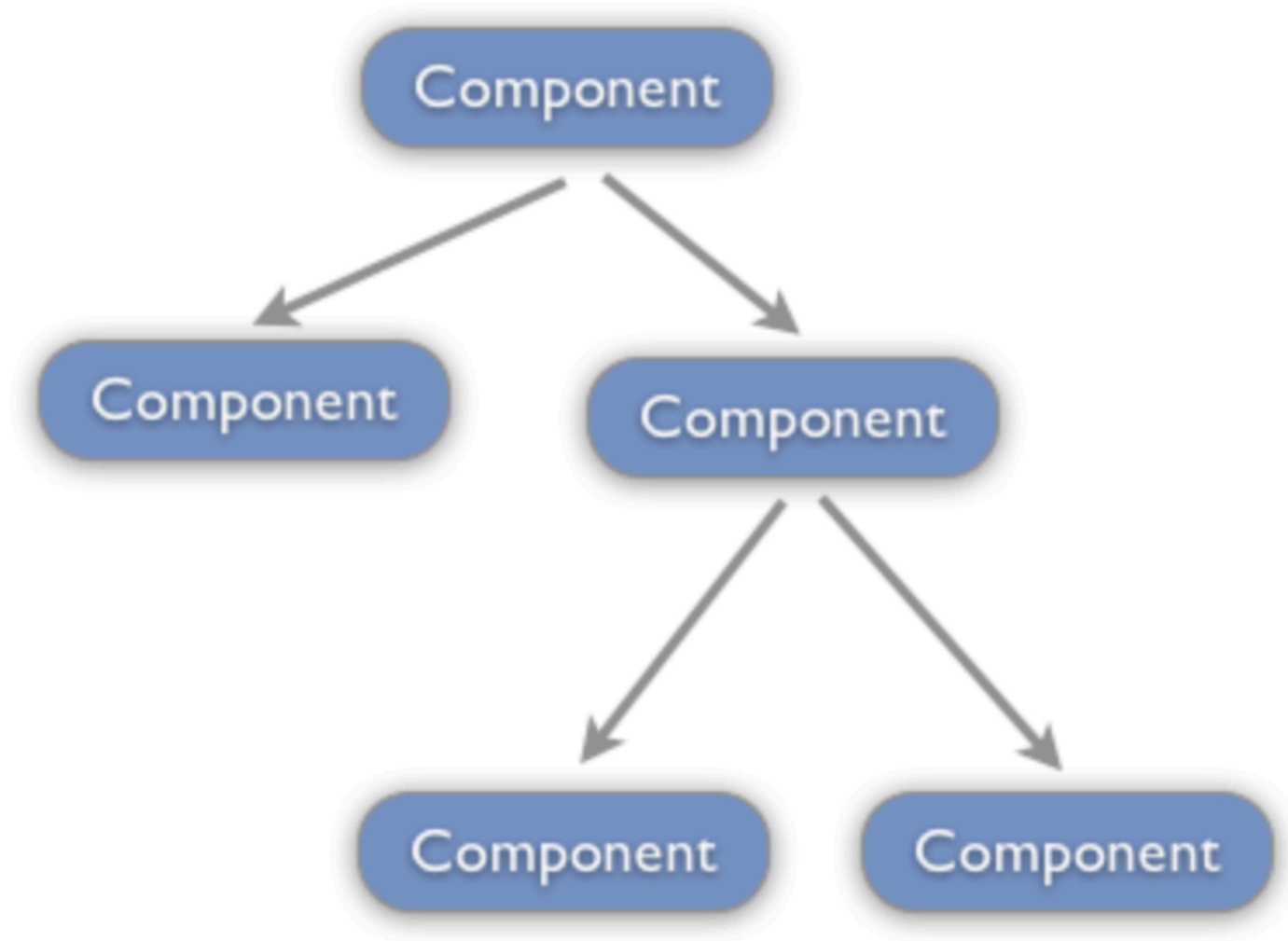
HTML?





```
class Polygon {  
  constructor(height, width) {  
    this.height = height;  
    this.width = width;  
  }  
}
```





 **Class?**

 **Component?**

 **State?**

 **Props?**

Class?

```
import React, { Component } from 'react';

class ExampleComponent extends Component {
  render() {
    return (
      <div>This is an example component.</div>
    );
  }
}

export default ExampleComponent;
```

```
import React from 'react';
import { View, Text, StyleSheet } from 'react-native';

export const Header = () => (
  <View style={styles.header}>
    <Text>I am Header</Text>
  </View>
);

const styles = StyleSheet.create({
  header: {
    height: 30,
    marginTop: 25,
    backgroundColor: '#f00',
    alignItems: 'center'
  }
});
```



Component?

```
import { getNews } from '../src/news';  
import Article from '../src/components/Article';
```

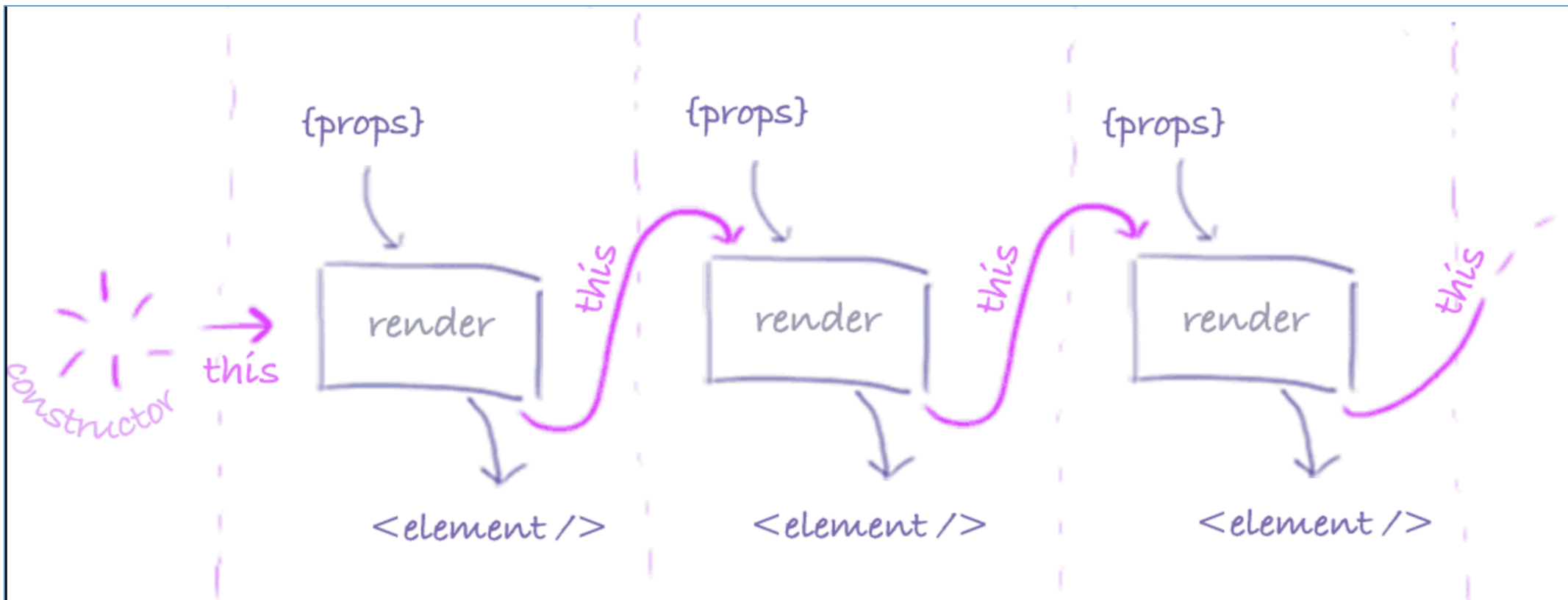
```
class ViewColoredBoxesWithText extends Component {  
  render() {  
    return (  
      <View  
        style={{  
          flexDirection: 'row',  
          height: 100,  
          padding: 20,  
        }}>  
        <View style={{backgroundColor: 'blue', flex: 0.3}} />  
        <View style={{backgroundColor: 'red', flex: 0.5}} />  
        <Text>Hello World!</Text>  
      </View>  
    );  
  }  
}
```




State?

```
class HelloWorldView extends React.Component {  
  constructor(props) {  
    super(props)  
    this.state = {msg: 'Hello World'}  
  }  
  
  render() {  
    return (  
      <View>  
        <Text>{this.state.msg}</Text>  
      </View>  
    )  
  }  
}
```

★ Props?





Props?

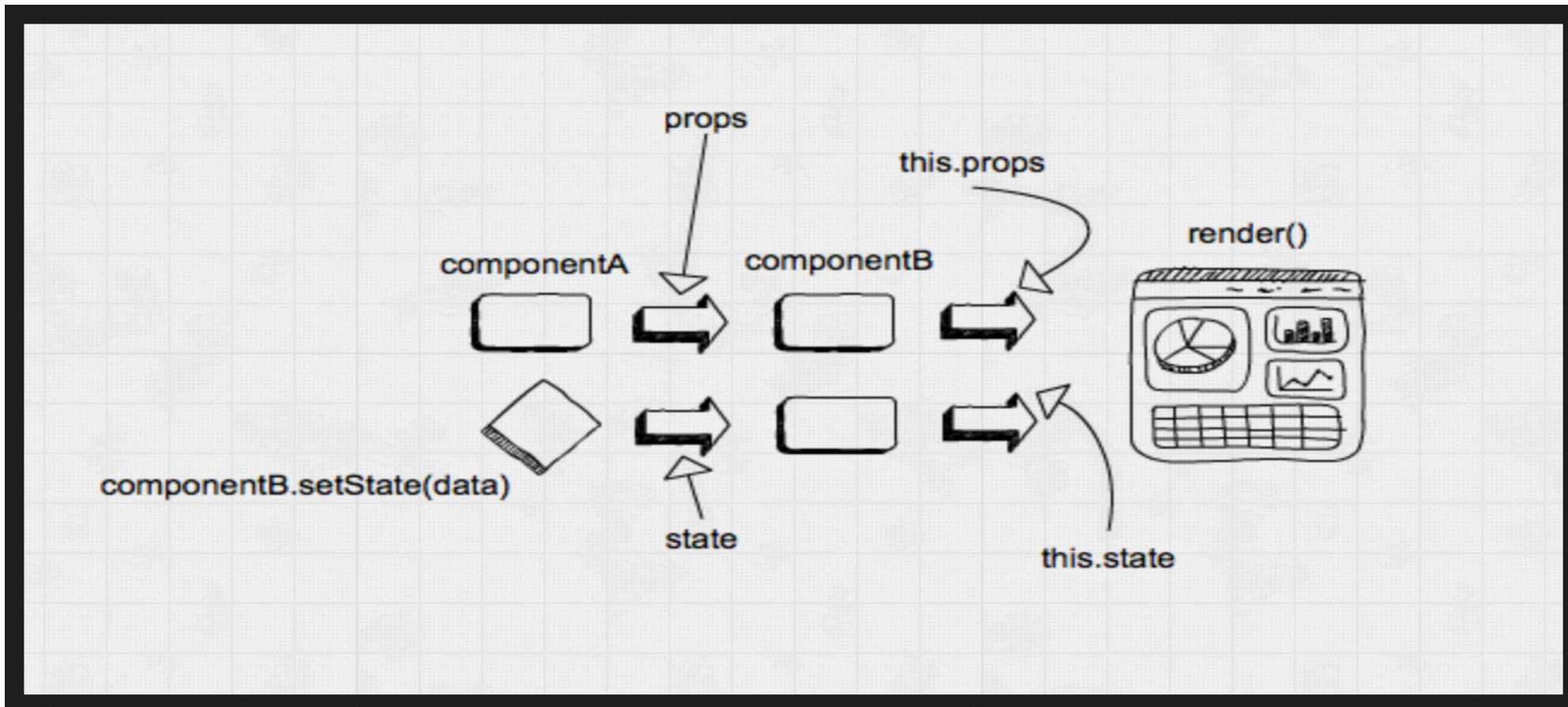
```
class PetsList extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      pets: pets
    };
  }
  render () {
    return (
      <div>
        <h3>Pets List: </h3>
        {
          this.state.pets.map((v,idx) => {
            return <SinglePet key={idx}
              name={v.name}
              image={v.image}
              desc={v.desc}
            />
          })
        }
      </div>
    )
  }
}
```

state

```
class SinglePet extends React.Component {
  render () {
    return (
      <div>
        <h3>{this.props.name}</h3>
        <img src={this.props.image} alt="" />
        <p>{this.props.desc}</p>
      </div>
    )
  }
}
```

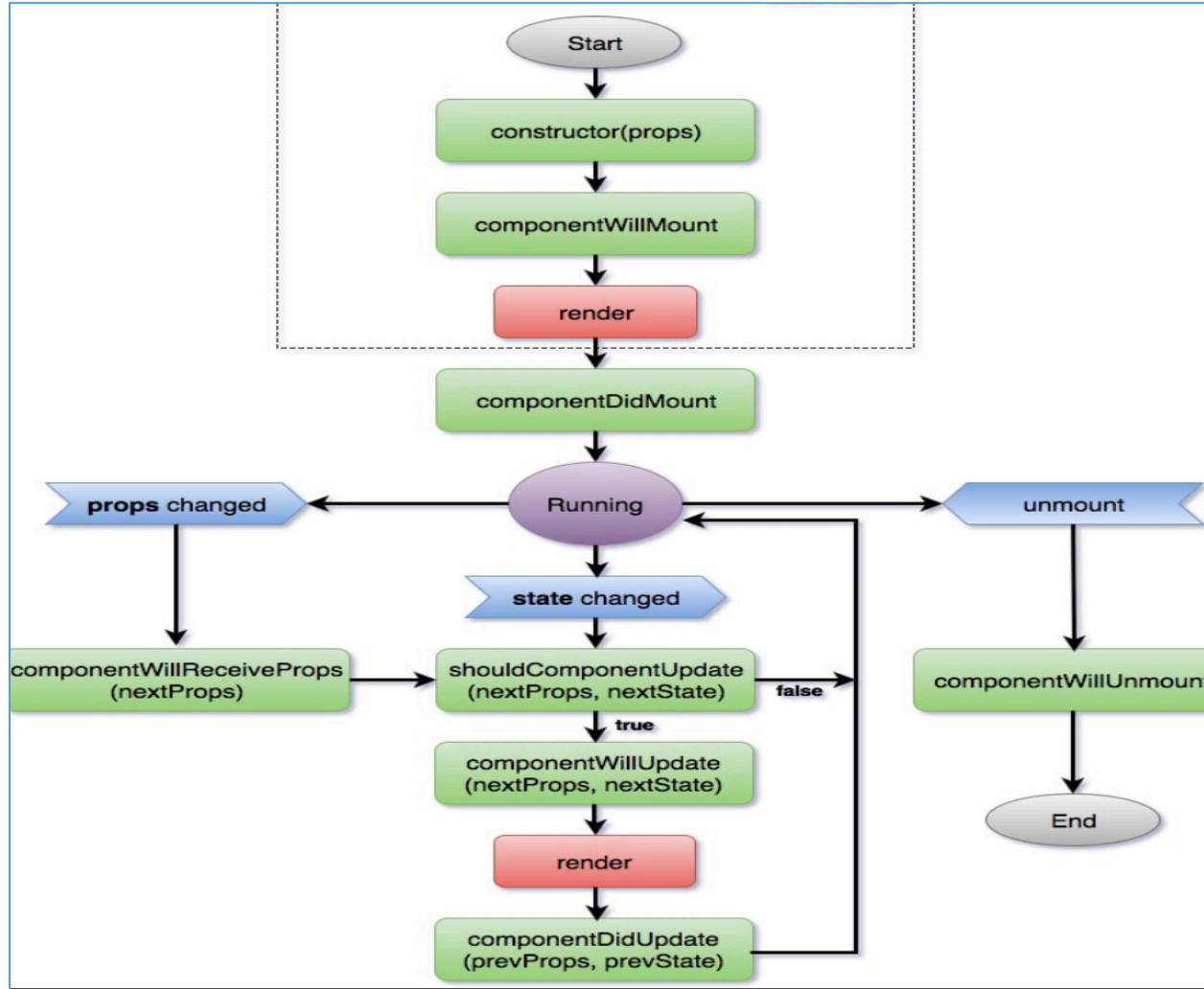
props

★ Props vs State



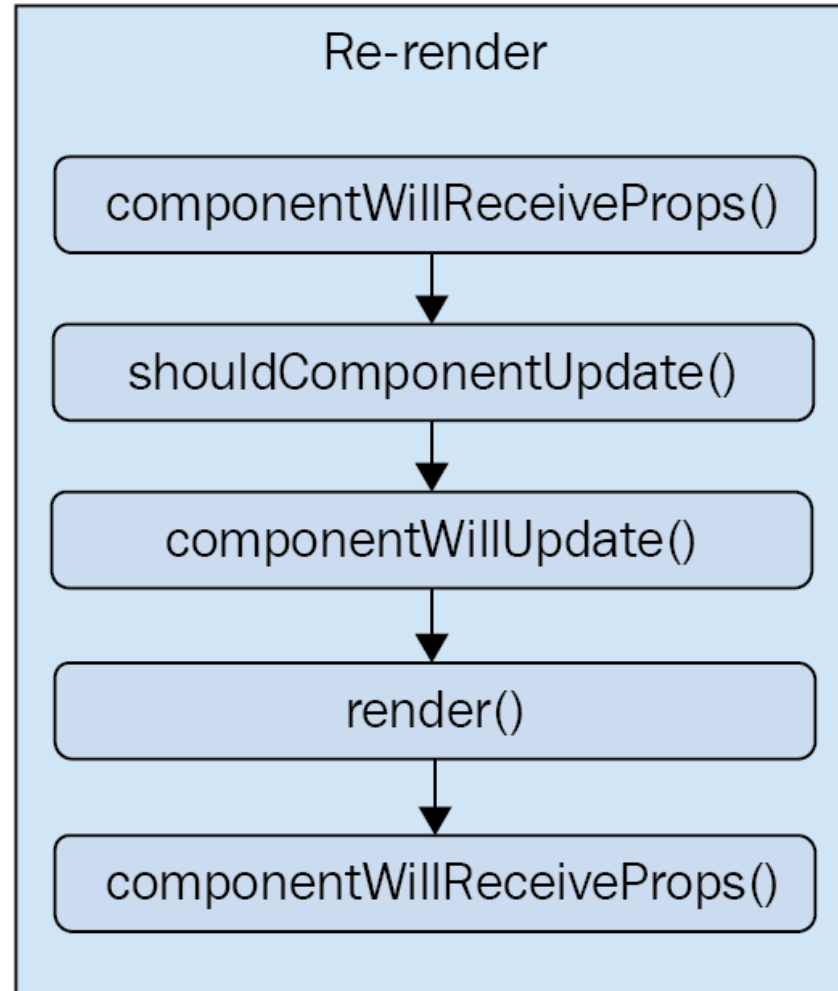
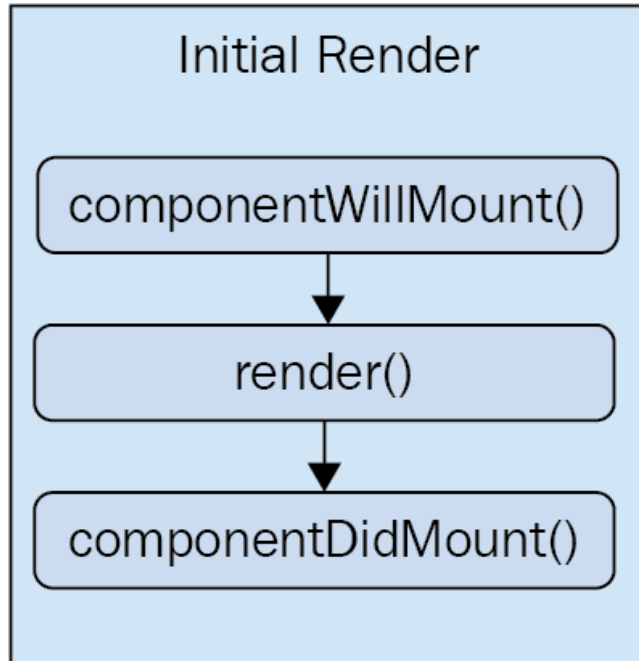


Component Yaşam Döngüsü





Başlangıç ve Güncelleme



TEŞEKKÜRLER..

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