Is Wrany for building single page apps.

Not plain old Is, but ISX, browser min does conversion I transpilation heart can be used to generate HIML codes, connecting to DBs etc.

render () takes bit of HTML & Morours it into a target.

Tags inside render (< NI> My name </NI>, document. get Element By Id (incomple)); elgmane vile at esneuger anuter

3. React Components

Building block of . apps. Part of unbrites

Put components together to make a bigger component

Basically, a React Class

von Component = React. vieate Classe (& render: Junction () & return (Kh1> Hello </h1>);

ReactDOM. runder (< Component 1>, document.get Element By Id ('example'));

4. Rendering Multiple components

Every component can return one parent value

von Comp = React. reveale Class (& render: Junction () & return (

< h17 Hore < h2> Paragraph); 3 3);

To get around wrup them around dir Returning one povent dir < dir>

4/dir>

React Dom. render () can also display < Component /> ence. Again to render multiple components, (dir) 3 times (/dir)

```
2
2. Brooks
  Proputies allow to customize Components
     van Morrie = React. crustillass ({
              vender: Junction () {
                   return (
                                         I this . props . title }
                    < dir> < h1> s, </h2>
                     < h2> 52 < h2> { this. props. a }
                    < 1 dir>
            <u>ነ</u>);
    ReactDOM. render (< Morie /> , " doc. gEBId(' cont'));
   Con also do
    ReactDOM. render (< movie title="A" g="a"/>
     Can also put
     Reaction. runser (
                          a="a" A="A" />
           < dir> < Mor
                   49
                           .. .. .. .. >
                   L P

clgEBId );
                                         class is resound in Is, class Name
6. Events:
   von Comment = React. vreatellass ({
              edit: function () { about ('A'); }
              delite: function () { about ('b'); }
             runder: function () &
                      < button & on (lock = { this . edit } class Name > Edit </ button
                     </dir>
  React DOM. runder ( < dir > < Component > Hey < / component > , doe get Ele ()>
```

Scanned by CamScanner

```
state .F
  Also helps to instance components
                                                        First thing of you want to
  tatis can change, Perspecties ran't
   getInitial State - Built - in Function, returns object of state
                                                                      state
   React automatically watches change to Redraw DOMS
     van checkBox = React. createllass ( {
            get Initial State: function () &
                      return & checked: True 3
            I () function() {
                 i ( ( budset ! this state heched )) itate tra
            render: function (){
               ron mag;
               if (this. state. chuked) f
                     i "budsin mi "= pam
                else { msg = "unchecked"; }
                muter (
                       < input type = " Checkbox" defoult Checked = { This - state.
                                      checked & on Change = 1 thi. handle Checked 3/>
                       <h1> Check is Emsyy </h1>
                    </dir>
          5);
       React DOM. render(<(B/), dgEBI('')};
```

8. Adding State to Components
render -, Always there for state & components & props.
Don't leave space between text area Tags [to React Takes it so null]

```
var Component = React. vestellass ( )
           get Initialize State B: function () {
                  return ( editing: folse )
            edit: function () {
                 ; ( f unit : pritible }) state that . int
            save: function() &
                  (( edition or state ( & editing : false ));
             ١,
            delite: function () [
                  console. log ( deleting );
            3 () render Normal : function () &
                ) menter
                   < dir & className = "comment">
                       < dir lass Name = " comm text">{-this. props. children } </dir>
                        くしなっ
                        <bs/>
Lotal
                   4/dir> );
          renderForm: Junetion () {
                 newster (
                   < dir class Nom = " comma">
                         (tentiones default Value - & this. props. children >> (/tentiones)
                          (Ith 2 enclick = 1 this. sang > save </buty>
          render: function() {
                I (gritibe. state. rint) fi
                           bill mature render Form (); y
                    the I return this. renderNormal(); )
```

```
9. Refs
  Previous down't some edited text
  Better than it, more efficient
       <arrafast) > ("-unb/feb "trum" = fire aeratret >
      1 () milting : mas
           ran value : this . refs . new Text. value;
           (ular) ged absence);
10. Multiple Wild Components
   Make relations / connections between Components
      Your Comment = React. Arestellass ( f... f);
      von Bound = React. vuotellass ( {
             } () function () {
                  return {
                      comments: [ '1','2', '3']
                ١,
            } () nontring : runder
                ratura (
                      <dir & class Name = "boarb">
                         ] (i, test missent) = 3 gam. etrummos. utata. int
                                return (< comment my = 1; 3> 1 test 3 </comment>);
               </dir>
          3);
       Reactoon. render (< bound /7, doc. gEBId);
```

```
11. Updating State & Removing Components
   In Board
    each Comment: function (text, i) {
              < lif rubru ( < Comment key=fil under (i 4 >
                              I (i) remark : function (i) {
            console log ('Remove' +i); von err = this. state. comments;
            arr. splice (i, 1) },

"rumore 1 after i
            ; (Erre : atrummor) state tec ele . aint
     update Comment: Junction (2) {
         our [i] = new Tent;
           : ( f voc : strummas ) ) state ties . with
  12. Passing Fis as Props
      (an have property equal to F=.
       each Comment: function (text, i) {
                    ruturn (
                         < Comment key=1 i 3 index=1 i 3 reposit Comment Text
                                              = fthis. updatelomment }
                          of delete From= 1 this. remove comments.
                     Rest of I
       remove: function () { // In Comment
               this . props . delett From Board (this . props . index);
       save: function () {
           this. props. update Comment Test (value or This. refs. new Test. value,
                                                this props index!;
```