

Name: Sriram R	SRN: PES1UG20CS435	Section: H
	Date: 11-11-2021	Unit 3 Assignment Exercise
PROBLEM STATEMENT1 (for odd number SRNs):		
<p>Create and display an order detail list for any 4 items which will include the product name, product description, price and quantity. When an onClick event is triggered on a button the quantity has to increase and the total cost has to be calculated and displayed with the update of items quantity.</p> <p>For styling: Add styling by creating a style object variable the same way as we create a JavaScript.</p>		
OBJECTIVE		
<p>The objective of this exercise is to test the student on front end frame work React JS. It evaluates the student's knowledge React Js components, ReactJS props and state, ReactJS Lists and Keys, React JS events</p>		
PREREQUISITE		
<p>In order to complete this exercise, the student needs to understand the fundamentals of HTML,CSS, and JavaScript</p>		

SAMPLE SCREENSHOT OF OUTPUT (Just for your reference)

SAMPLE1:

Order Summary

MAC book Description: Apple MGN63HNA MacBook Air (Apple M1 Chip/8GB/256GB SSD/macOS Big Sur/Retina) INR Price: 90000 INR Quantity: 0 <input type="button" value="+"/>	Dell core i7 Description: 11th Generation Intel® Core™ i7-11390H Processor Windows 11 Home INR Price: 80000 INR Quantity: 0 <input type="button" value="+"/>	HP Description: 11th generation INR Price: 65000 INR Quantity: 0 <input type="button" value="+"/>
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Total: 0 INR

PROGRAM

```

<html>
<head>
    <title>Hello world</title>
    <script crossdomain
src="https://unpkg.com/react@16/umd/react.development.js"> </script>
    <script crossdomain src="https://unpkg.com/react-
dom@16/umd/react-dom.development.js"> </script>
    <script src="https://unpkg.com/babel-
standalone@6.15.0/babel.min.js"> </script>
</head>
<style>
    #div1{
        background-color:white;
        border:0.5px solid yellow;
        padding:5px;
        margin:4px;
        float:left;
        width:30%;
    }
    #h4{
        background-color:white;
        border:0.5px solid yellow;
        padding:5px;
        margin:4px;
        float:left;
        width:30%;
        position:absolute;
        top:500px;
    }

```

```

    left:500px
  }
</style>
<body style = "background-color:black">
  <div id = "root"></div>
</body>
<script type = "text/babel">
  class Mycomponent extends React.Component
  {
    constructor()
    {
      super()
      this.ipref = React.createRef()
      this.ipref1 = React.createRef()
      this.ipref2 = React.createRef()
      this.ipref3 = React.createRef()
      this.state = {value:0}
    }
    render()
    {
      return (<div><h1>Order Summary</h1>
        <div id = "div1">
          <h3>Gersheys chocolate syrup</h3>
          <p><b>Description:&nbsp;</b>A
chocolate syrup with a name that taunts copyright enforcement laws
          <br/><br/><b>Price:&nbsp;</b>200
ZWD (pre inflation era)
          <br/><br/><b>Quantity:</b></p>
          <p ref = {this.ipref}>0</p>
          <button onClick =
{this.fun1}>+</button>
          </div>
          <div id = "div1">
          <h3>Dererro Mutella</h3>
          <p><b>Description:&nbsp;</b>An
exceptionally unhealthy chocolate spread made of 30% palm oil whose
health risks are greatly outweighed by its heart stopping taste
          <br/><br/><b>Price:&nbsp;</b>500
ZWD
          <br/><br/><b>Quantity:</b></p>
          <p ref = {this.ipref1}>0</p>
          <button onClick =
{this.fun2}>+</button>
          </div>
          <div id = "div1">
          <h3>Polonium 209</h3>
          <p><b>Description:&nbsp;</b>Best
consumed at 2 am when trying to complete a web tech assignment due at

```

```

9 the same day thanks to the programmers next-gen time management
skills
                                <br/><br/><b>Price:&nbsp;</b>300
ZWD (discount courtesy : Alexander Litvinenko)
                                <br/><br/><b>Quantity:</b></p>
                                <p ref = {this.ipref2}>0</p>
                                <button onClick =
{this.fun3}>></button>
                                </div>
                                <div id = "div1">
                                <h3>One pound bread</h3>

                                <p><b>Description:&nbsp;</b>Godhi hittu with warm water and a
fungus that makes it fluffy when baked

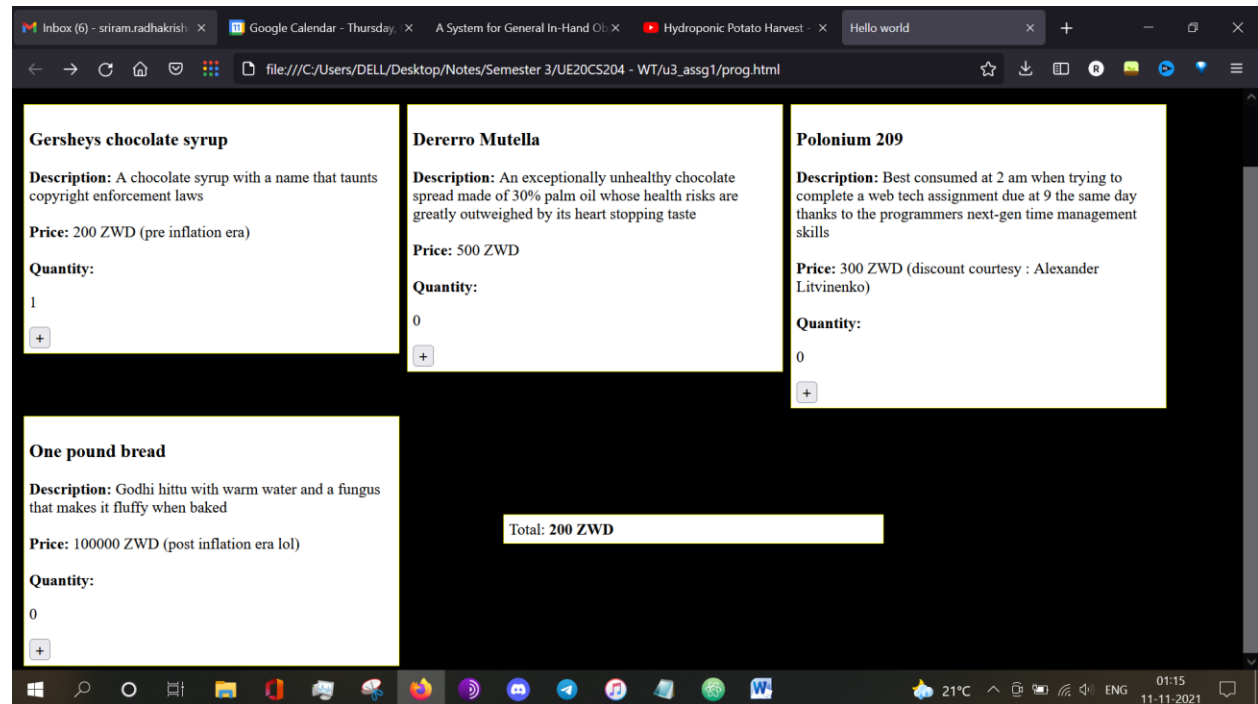
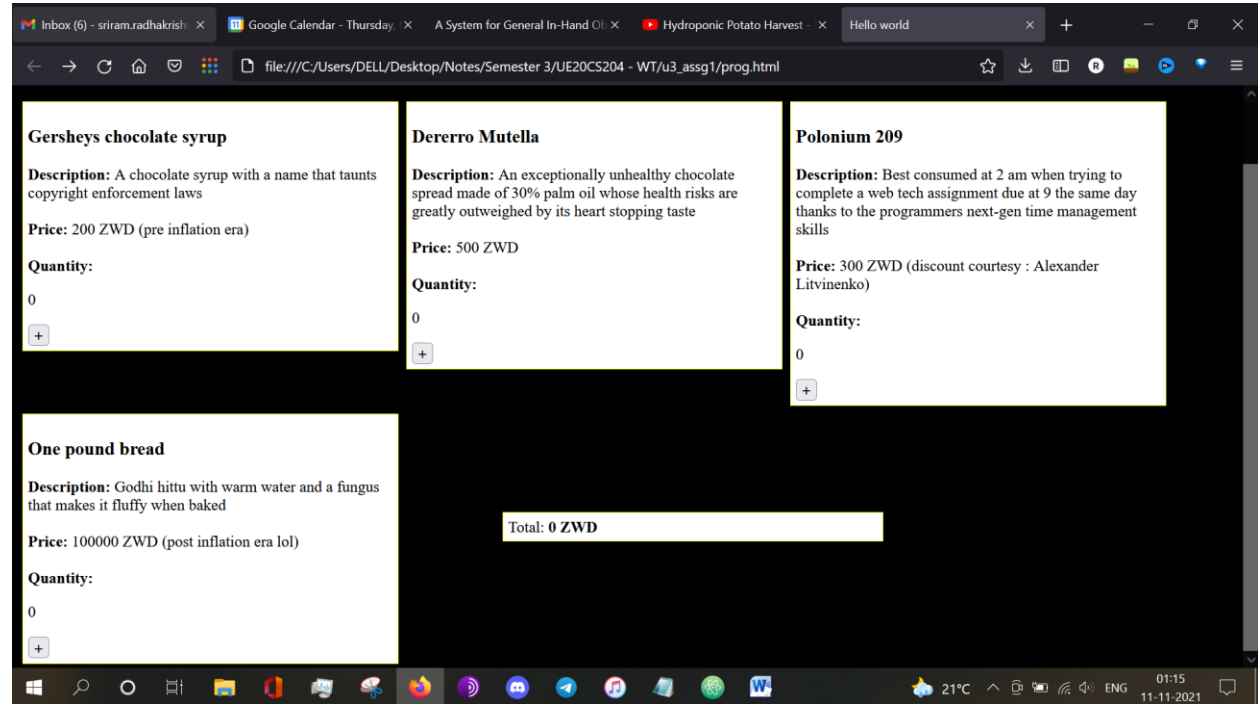
                                <br/><br/><b>Price:&nbsp;</b>100000 ZWD (post inflation era lol)
                                <br/><br/><b>Quantity:</b></p>
                                <p ref = {this.ipref3}>0</p>
                                <button onClick =
{this.fun4}>></button>
                                </div>
                                <div id = "h4">Total: <b>
{this.state.value} ZWD</b></div>
                                </div>)
                                }
                                fun1={()=>
                                {
                                    var a = this.ipref.current.innerHTML
                                    this.ipref.current.innerHTML = ++a
                                    this.setState((prevState) =>
({value:prevState.value+200}))
                                }
                                fun2 = () =>
                                {
                                    var c = this.ipref1.current.innerHTML
                                    this.ipref1.current.innerHTML = ++c
                                    this.setState((prevState) =>
({value:prevState.value+500}))
                                }
                                fun3 = () =>
                                {
                                    var d = this.ipref2.current.innerHTML
                                    this.ipref2.current.innerHTML = ++d
                                    this.setState((prevState) =>
({value:prevState.value+300}))
                                }
                                fun4 = () =>
                                {

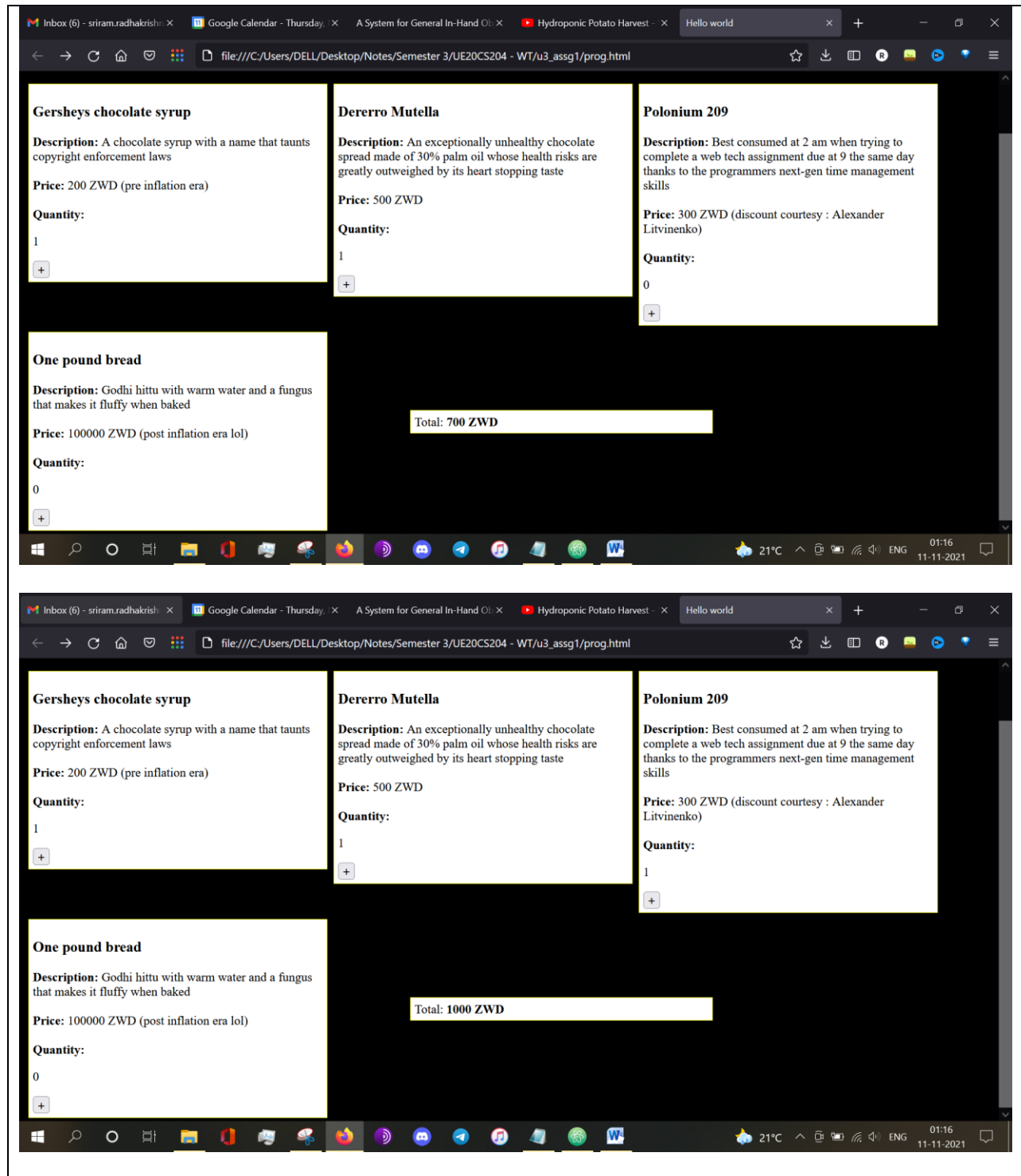
```

```
                var e = this.ipref3.current.innerHTML
                this.ipref3.current.innerHTML = ++e
                this.setState((prevState) =>
({value:prevState.value+100000}))
            }

        ReactDOM.render(<Mycomponent/>,document.getElementById("root"))
</script>
</html>
```

SCREENSHOT OF YOUR OUTPUT



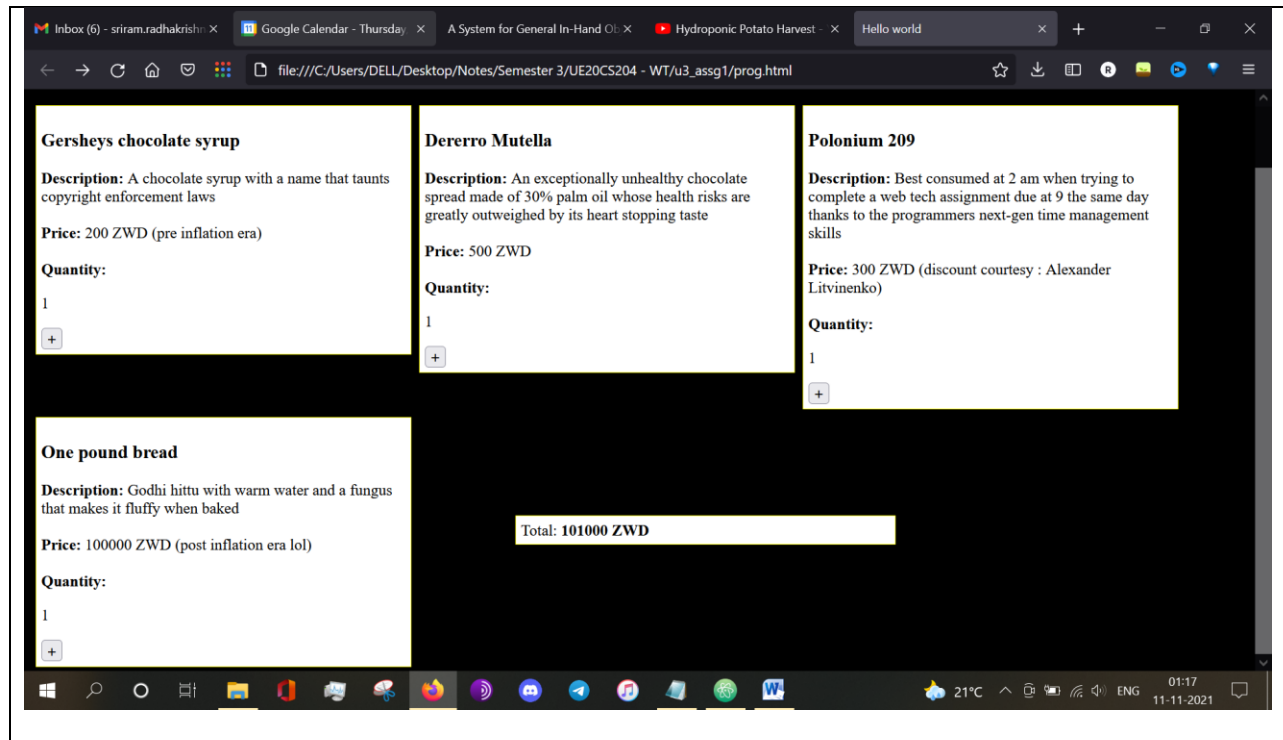


The screenshot shows a web application with a shopping cart. The browser window has several tabs open: 'Inbox (6) - sriram.radhakrish...', 'Google Calendar - Thursday', 'A System for General In-Hand O...', 'Hydroponic Potato Harvest', and 'Hello world'. The address bar shows the file path: 'file:///C:/Users/DELL/Desktop/Notes/Semester 3/UE20CS204 - WT/u3_assg1/prog.html'. The application displays four items in a grid:

- Gersheys chocolate syrup**: Description: A chocolate syrup with a name that taunts copyright enforcement laws. Price: 200 ZWD (pre inflation era). Quantity: 1.
- Dererro Mutella**: Description: An exceptionally unhealthy chocolate spread made of 30% palm oil whose health risks are greatly outweighed by its heart stopping taste. Price: 500 ZWD. Quantity: 1.
- Polonium 209**: Description: Best consumed at 2 am when trying to complete a web tech assignment due at 9 the same day thanks to the programmers next-gen time management skills. Price: 300 ZWD (discount courtesy : Alexander Litvinenko). Quantity: 0.
- One pound bread**: Description: Godhi hittu with warm water and a fungus that makes it fluffy when baked. Price: 100000 ZWD (post inflation era lol). Quantity: 0.

A 'Total: 700 ZWD' box is displayed in the center. The Windows taskbar at the bottom shows the time as 01:16 on 11-11-2021, with a temperature of 21°C and system icons for network, volume, and battery.

The second screenshot shows the same application after the 'Polonium 209' quantity has been updated to 1. The 'Total: 1000 ZWD' box now reflects the new total.



The screenshot displays a web browser window with the following tabs: "Inbox (6) - sriram.radhakrishn...", "Google Calendar - Thursday", "A System for General In-Hand O...", "Hydroponic Potato Harvest", and "Hello world". The address bar shows the file path: "file:///C:/Users/DELL/Desktop/Notes/Semester 3/UE20CS204 - WT/u3_assg1/prog.html".

The application content is as follows:

- Gersheys chocolate syrup**
Description: A chocolate syrup with a name that taunts copyright enforcement laws
Price: 200 ZWD (pre inflation era)
Quantity: 1
- Dererro Mutella**
Description: An exceptionally unhealthy chocolate spread made of 30% palm oil whose health risks are greatly outweighed by its heart stopping taste
Price: 500 ZWD
Quantity: 1
- Polonium 209**
Description: Best consumed at 2 am when trying to complete a web tech assignment due at 9 the same day thanks to the programmers next-gen time management skills
Price: 300 ZWD (discount courtesy : Alexander Litvinenko)
Quantity: 1
- One pound bread**
Description: Godhi hittu with warm water and a fungus that makes it fluffy when baked
Price: 100000 ZWD (post inflation era lol)
Quantity: 1

Total: 101000 ZWD

The Windows taskbar at the bottom shows the date and time as 11-11-2021, 01:17, and the temperature as 21°C.