PART B

(PART B: TO BE COMPLETED BY STUDENTS)

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Date of Experiment:	Date of Submission:
Grade:	

B. Tools used to design Interface:
1

```html
<!DOCTYPE html>
<html>

<head>
        <title>ATVM</title>
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <link rel='stylesheet' href='css/notie.min.css'/>
        <link rel='stylesheet' href='css/style.css'/>
        <link rel='stylesheet' href='css/awesomplete.css'/>
        <style>
        * {
        margin: 0;
        padding: 0;
        box-sizing: border-box;
}

body {
        background: url(bg.jpg) no-repeat center center fixed;
        background-size: cover;
}

h1 {
        text-align: center;
        font-size: 4.5em;
        color: white;
        font-family: 'Verdana';
        letter-spacing: 0.1em;
        font-weight: bolder;
        text-shadow: 0.1em 0.1em 0.5em rgba(0,0,3,0.8);
}

#inputSection, #buttonSection {
        margin-top: 5em;
```

```css
        justify-content: center;
        align-items: center;


}

button {
        cursor: pointer;
        padding: 0.7em;
        margin: 1em 0;
        font-size: 2em;
        color: gray;
        background: white;
        outline: none;
        border-radius: 0.3em;
        border-style: dotted;
        border-color:  #123456;
        transform: scale(0.9);
        transition: all 500ms;
}

button:hover {
        color: white;
        background-color: gray;
        transform: scale(1);
}

::-webkit-input-placeholder {
        color: white;
        opacity : 0.5;
}

input {
        text-align: center;

    padding: 0.5em;
    margin: 1.5em;
    width: 30em;
    font-size: 1.75em;
    font-weight: bold;
    line-height: 1.2;
    color: white;
    border: none;
    border-bottom: 5px solid red;
    background:rgba(25, 22, 22, 0.87);
    outline: none;
```

```css
        box-shadow: 0.1em 0.1em 0.3em #fff;
        text-transform: uppercase;
}

#inputSection .awesomplete>ul> li {
        padding: 1em;
}

#currentStation {
        color: white;
        font-size: 3em;
        background-color: #2A2A2A;
        padding: 0.2em;
}
#single{
        background-color :#2A2A2A;
        color : white ;
}
#return{
        background-color :#2A2A2A;
        color : white ;
}
#single:hover {
  background-color: #6B6B6B;
  color : white;
}
#return:hover {
  background-color: #6B6B6B;
  color : white;
}
.in{
width : 300px;
font-size: 20px;
 font-weight: bold;
}
#div{
text-align: center;
}

/* Modal Content */
.modal-content {
  background-color: #fefefe;
  margin: auto;
  padding: 20px;
  border: 1px solid #888;
  width: 80%;
```

```css
}

/* The Close Button */
.close {
  color: #aaaaaa;
  float: right;
  font-size: 28px;
  font-weight: bold;
}

.close:hover,
.close:focus {
  color: #000;
  text-decoration: none;
  cursor: pointer;
}
#myModal1 {
  display: none; /* Hidden by default */
  position: fixed; /* Stay in place */
  z-index: 1; /* Sit on top */
  padding-top: 100px; /* Location of the box */
  left: 0;
  top: 0;
  width: 100%; /* Full width */
  height: 100%; /* Full height */
  overflow: auto; /* Enable scroll if needed */
  background-color: rgb(0,0,0); /* Fallback color */
  background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
}

.modal {
  display: none; /* Hidden by default */
  position: fixed; /* Stay in place */
  z-index: 1; /* Sit on top */
  padding-top: 100px; /* Location of the box */
  left: 0;
  top: 0;
  width: 100%; /* Full width */
  height: 100%; /* Full height */
  overflow: auto; /* Enable scroll if needed */
  background-color: rgb(0,0,0); /* Fallback color */
  background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
}
```

```css
table {
  width: 100%;
}

td, th {
  border: 1px solid #dddddd;
  text-align: center;
  padding: 8px;
  margin-top : 10px;
                    margin-bottom : 10px;
                    border : none;
                    background : #CDCDCD;
                    padding : 5px;
                    height : 40px;
}
tr{
        background : #CDCDCD;
        text-transform: uppercase;
}
#submit{
                    align : center;
                    margin-top : 10px;
                    padding : 5px;
                    width : 250px;
                    height : 40px;
                    background-color : #5AB85A;
                    cursor : pointer;
                    border : none;
            }

#select_option{
                    margin-top : 10px;
                    margin-bottom : 10px;
                    border : none;
                    height : 40px;
                    background : #CDCDCD;
                    padding : 5px;
                    margin-left : 70px;
                    width : 250px;
            }

#quantity{
                    margin-top : 10px;
                    margin-bottom : 10px;
                    border : none;
                    background : #CDCDCD;
```

```
                        padding : 5px;
                        height : 40px;
                        margin-left : 70px;
                        width : 250px;
                }
.select_option{
                        margin-top : 10px;
                        margin-bottom : 10px;
                        border : none;
                        height : 40px;
                        background : #CDCDCD;
                        padding : 5px;
                        margin-left : 70px;
                        width : 250px;
                }
                h2{
                text-align : center;
                }
        </style>


</head>

<body>
        <main id="div">
                <header>
                        <h1>Train Ticketing</h1>
                </header>
                <form id="inputSection"method="post">
                        <input type="text" placeholder="Source" class="awesomplete"
id="source" required >
                        <input type="text" placeholder="Destination"
class="awesomplete" id="destination" required >

                </form>
                <input type = "number" placeholder="Number Of Adults" class="in"
id="adult">
                <input type = "number" placeholder="Number Of Childern" class="in"
id="child">
                <section id="buttonSection">
                        <button id="single">Single</button>
                        <button id="return">Return</button>
                </section>

        </main>
        <div id="myModal" class="modal">
```

```html
<!-- Modal content -->
<div class="modal-content">
  <span class="close">&times;</span>
      <h2>Happy Journey</h2>
  <form>
            <table id="myTable">
            <tr>
            <td><label>Journey Type</label></td>
            <td></td>
            </tr>
            <tr>
            <td><label for="check">Source Station</label></td>
            <td></td>
            </tr>
            <tr>
            <td><label for="check">destination Station</label></td>
            <td></td>
            </tr>
            <tr>
            <td><label for="check">Adults</label></td>
            <td></td>
            </tr>
            <tr>
            <td><label for="check">Childern</label></td>
            <td></td>
            </tr>
            </table>
            <input type="submit" id="submit" value="Print" >
        </form>
  </div>

</div>
        <script>

        //var source = document.getElementById("source").value;


        var modal = document.getElementById("myModal");
        var btn = document.getElementById("single");

        var span = document.getElementsByClassName("close")[0];
        btn.onclick = function() {
                modal.style.display = "block";
                myTable.rows[0].cells[1].innerHTML = "Single";
```

```javascript
            myTable.rows[1].cells[1].innerHTML =
document.getElementById("source").value;
            myTable.rows[2].cells[1].innerHTML =
document.getElementById("destination").value;
            myTable.rows[3].cells[1].innerHTML =
document.getElementById("adult").value;
            myTable.rows[4].cells[1].innerHTML =
document.getElementById("child").value;
    }
            span.onclick = function() {
            modal.style.display = "none";
    }
    window.onclick = function(event) {
    if (event.target == modal) {
            modal.style.display = "none";
    }
    }

    var modal = document.getElementById("myModal");
    var btn = document.getElementById("return");
    var span = document.getElementsByClassName("close")[0];
    btn.onclick = function() {
            modal.style.display = "block";
            myTable.rows[0].cells[1].innerHTML = "return";
            myTable.rows[1].cells[1].innerHTML =
document.getElementById("source").value;
            myTable.rows[2].cells[1].innerHTML =
document.getElementById("destination").value;
            myTable.rows[3].cells[1].innerHTML =
document.getElementById("adult").value;
            myTable.rows[4].cells[1].innerHTML =
document.getElementById("child").value;

    }
            span.onclick = function() {
            modal.style.display = "none";
    }
    window.onclick = function(event) {
    if (event.target == modal) {
            modal.style.display = "none";
    }
    }

    </script>

    <script src='js/notie.min.js'></script>
```
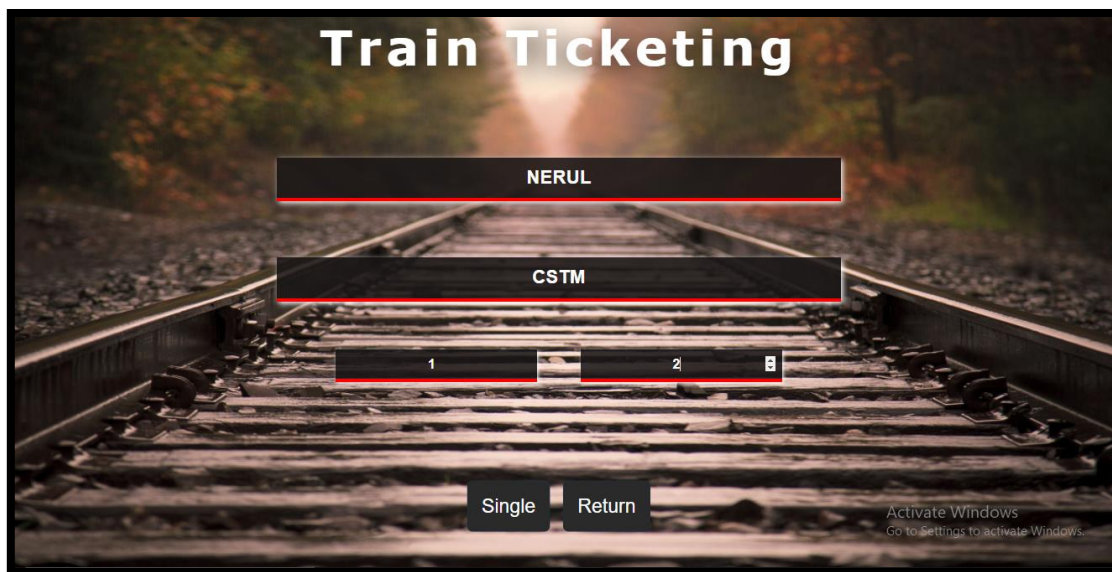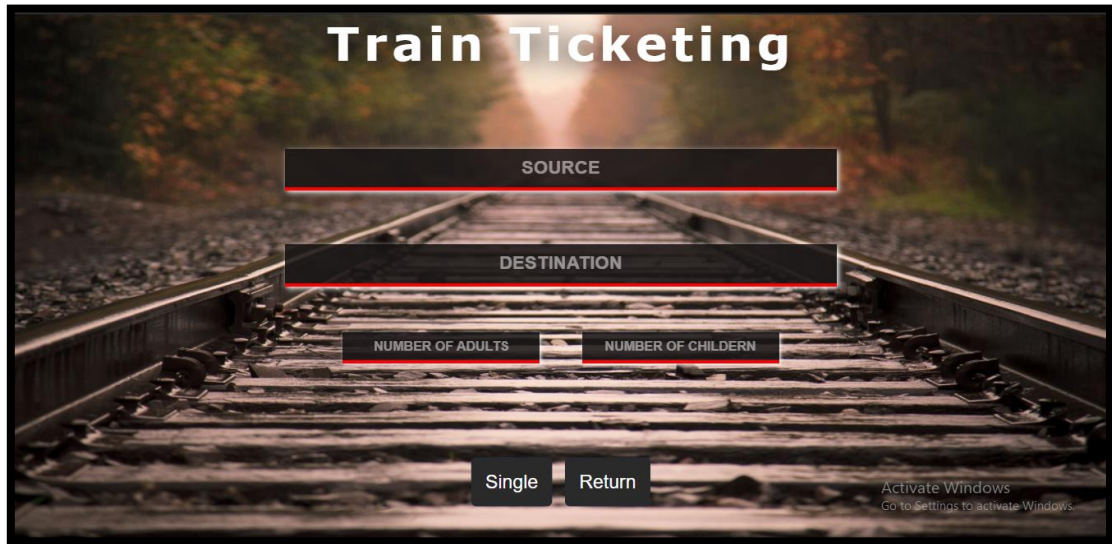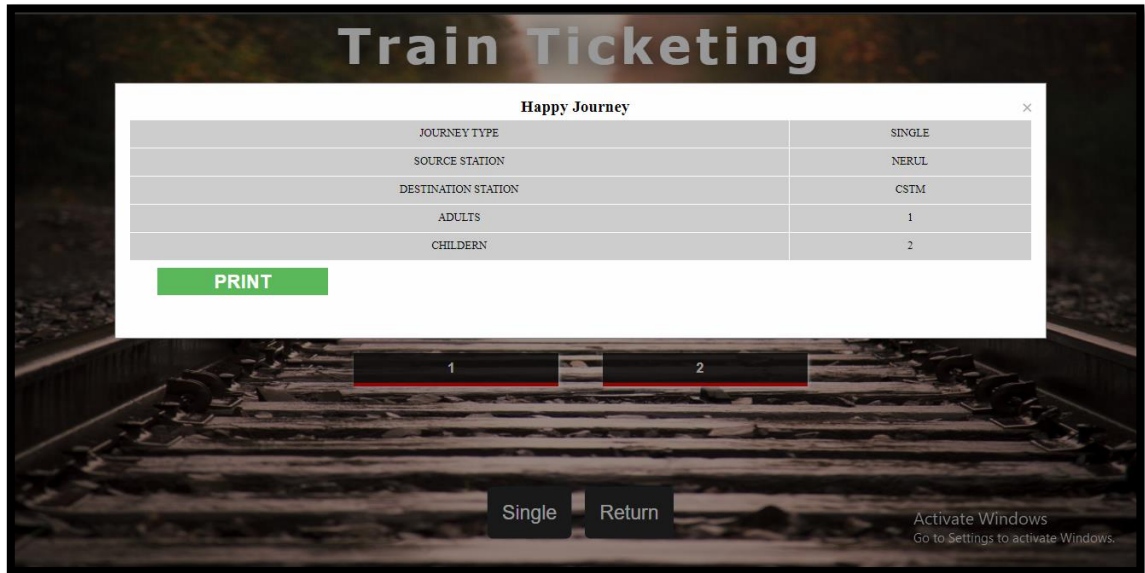
```
                    <script src='js/awesomplete.min.js'></script>
                    <script src='js/app.js'></script>
</body>
</html>
```

B.   Interfaces of ticket vending machine for metro train:

B3 HMI principles used to design interface.

- Aesthetically Pleasing
- Availability
- Clarity
- Compatibility
- Consistency
- Control
- Directness
- Efficiency
- Familiarity
- Flexibility
- Operability
- Predictability
- Responsiveness
- Safety
- Simplicity
- Transparency
- Visibility

B4 **Target audience of this Interface?**
People using train as a mode of transport.

B4 Conclusion:

HMI along with interaction styles such as HTML can be used for creating the interface.