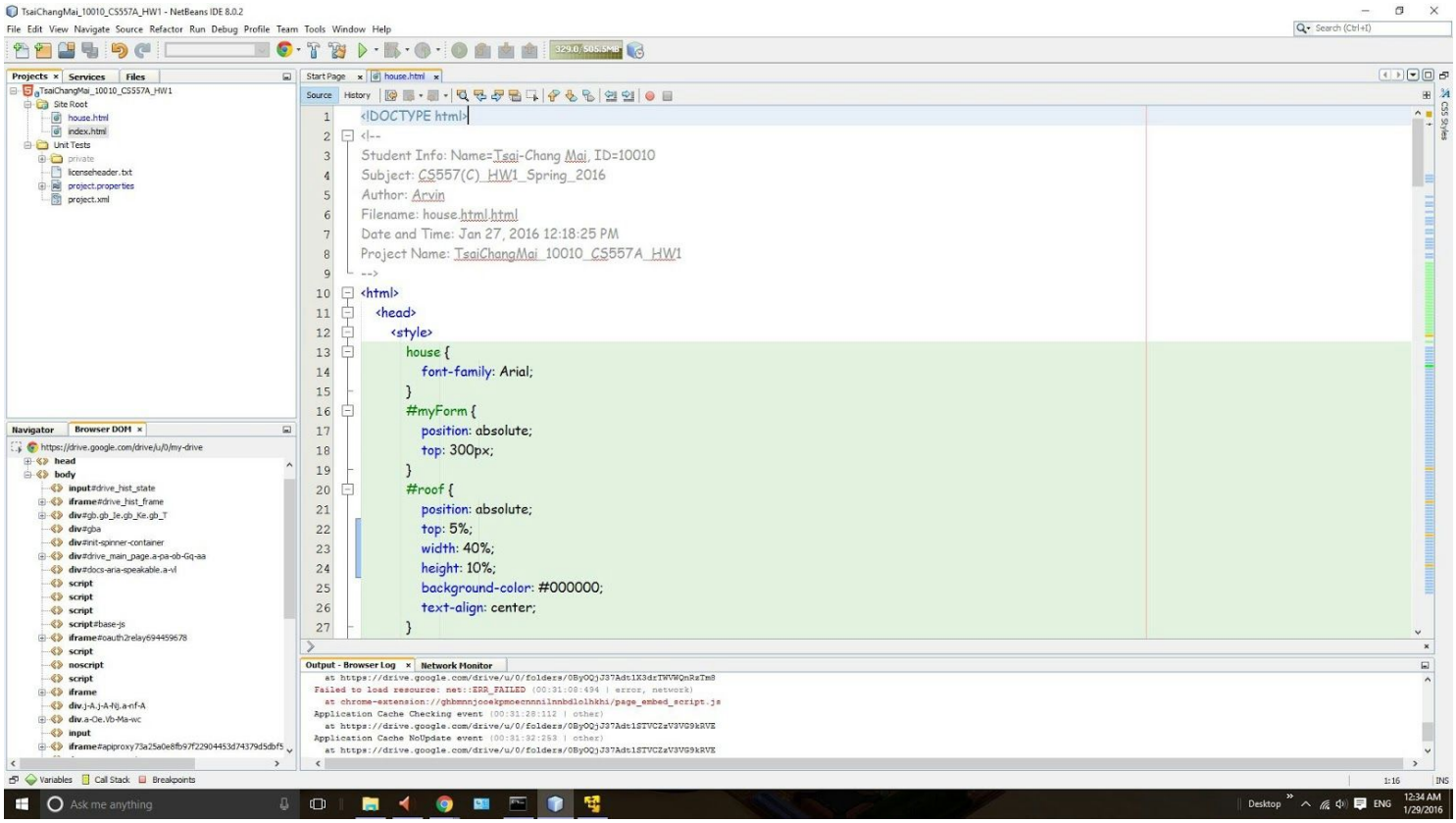
1) screenshot



2) HTML code

```
<!DOCTYPE html>
<!--
Student Info: Name=Tsai-Chang Mai, ID=10010
Subject: CS557(C)_HW1_Spring_2016
Author: Arvin
Filename: house.html.html
Date and Time: Jan 27, 2016 12:18:25 PM
Project Name: TsaiChangMai_10010_CS557A_HW1
-->
<html>
   <head>
      <style>
         house {
            font-family: Arial;
         }
         #myForm {
            position: absolute;
            top: 300px;
         }
         #roof {
            position: absolute;
            top: 5%;
            width: 40%;
```

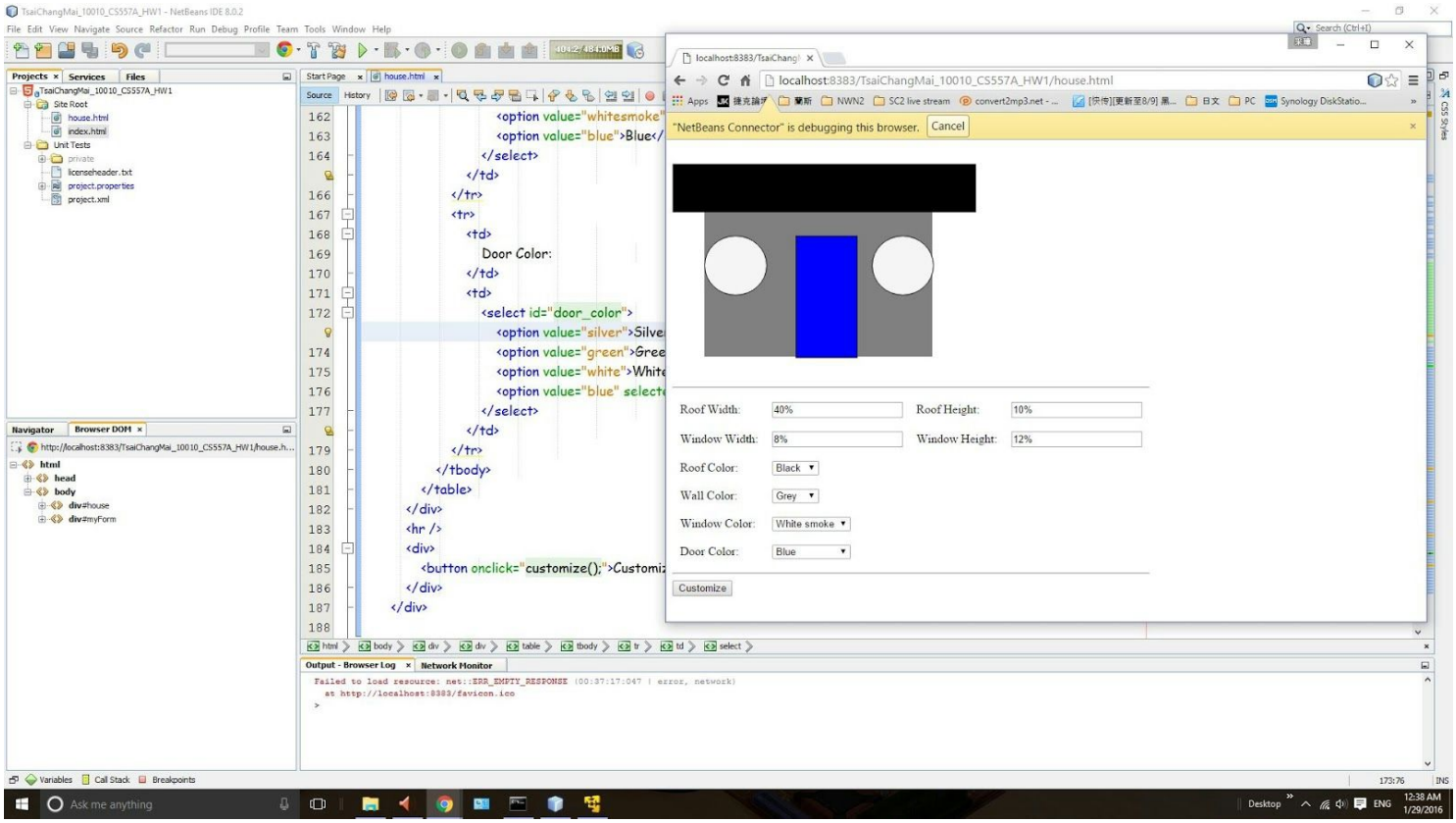
```
        height: 10%;
        background-color: #000000;
        text-align: center;
    }
    #wall {
        position: absolute;
        top: 15%;
        left: 5%;
        width: 30%;
        height: 30%;
        background-color:grey;
        text-align:center;
    }
    #right_window {
        position:absolute;
        left:5%;
        top:20%;
        background-color: whitesmoke;
        border: 1px solid black;
        border-radius: 50%;
        width: 8%;
        height: 12%;
    }
    #left_window {
        position:absolute;
        left:27%;
        top:20%;
        background-color: whitesmoke;
        border: 1px solid black;
        border-radius: 50%;
        width: 8%;
        height: 12%;
    }
    #door {
        position:absolute;
        left:17%;
        top:20%;
        background-color: blue;
        border: 1px solid black;
        width: 8%;
        height: 25%;
    }
</style>
<script>
    function customize() {
        // roof
        document.getElementById("roof").style.width = document.getElementById("roof_width").value;
        document.getElementById("roof").style.height = document.getElementById("roof_height").value;
```

```
            document.getElementById("roof").style.backgroundColor =
document.getElementById("roof_color").value;
            // window
            document.getElementById("left_window").style.width =
document.getElementById("window_width").value;
            document.getElementById("left_window").style.height =
document.getElementById("window_height").value;
            document.getElementById("left_window").style.backgroundColor =
document.getElementById("window_color").value;
            document.getElementById("right_window").style.width =
document.getElementById("window_width").value;
            document.getElementById("right_window").style.height =
document.getElementById("window_height").value;
            document.getElementById("right_window").style.backgroundColor =
document.getElementById("window_color").value;
            // wall
            document.getElementById("wall").style.backgroundColor =
document.getElementById("wall_color").value;
            // door
            document.getElementById("door").style.backgroundColor =
document.getElementById("door_color").value;
        }
    </script>
  </head>
  <body>
    <div id="house">
      <div id="roof"></div>
      <div id ="wall"></div>
      <div id="right_window"></div>
      <div id="left_window"></div>
      <div id="door"></div>
    </div>
    <div id="myForm" style="top:50%">
      <hr />
      <div>
        <table cellpadding="8">
          <tbody>
            <tr>
              <td>
                Roof Width:
              </td>
              <td>
                <input type="text" id="roof_width" value="40%" />
              </td>
              <td>
                Roof Height:
              </td>
              <td>
```

```
        <input type="text" id="roof_height" value="10%" />
    </td>
</tr>
<tr>
    <td>
        Window Width:
    </td>
    <td>
        <input type="text" id="window_width" value="8%" />
    </td>
    <td>
        Window Height:
    </td>
    <td>
        <input type="text" id="window_height" value="12%" />
    </td>
</tr>
<tr>
    <td>
        Roof Color:
    </td>
    <td>
        <select id="roof_color">
            <option value="silver">Silver</option>
            <option value="green">Green</option>
            <option value="black" selected>Black</option>
            <option value="blue">Blue</option>
        </select>
    </td>
</tr>
<tr>
    <td>
        Wall Color:
    </td>
    <td>
        <select id="wall_color">
            <option value="silver">Silver</option>
            <option value="green">Green</option>
            <option value="grey" selected>Grey</option>
            <option value="blue">Blue</option>
        </select>
    </td>
</tr>
<tr>
    <td>
        Window Color:
    </td>
    <td>
```

```
                    <select id="window_color">
                        <option value="silver">Silver</option>
                        <option value="green">Green</option>
                        <option value="whitesmoke" selected>White smoke</option>
                        <option value="blue">Blue</option>
                    </select>
                </td>
            </tr>
            <tr>
                <td>
                    Door Color:
                </td>
                <td>
                    <select id="door_color">
                        <option value="silver">Silver</option>
                        <option value="green">Green</option>
                        <option value="white">White smoke</option>
                        <option value="blue" selected>Blue</option>
                    </select>
                </td>
            </tr>
        </tbody>
    </table>
</div>
<hr />
<div>
    <button onclick="customize();">Customize</button>
</div>
</div>

</body>
</html>
```

3) result screen shot

CS557A_HW1_10010_TsaiChangMai