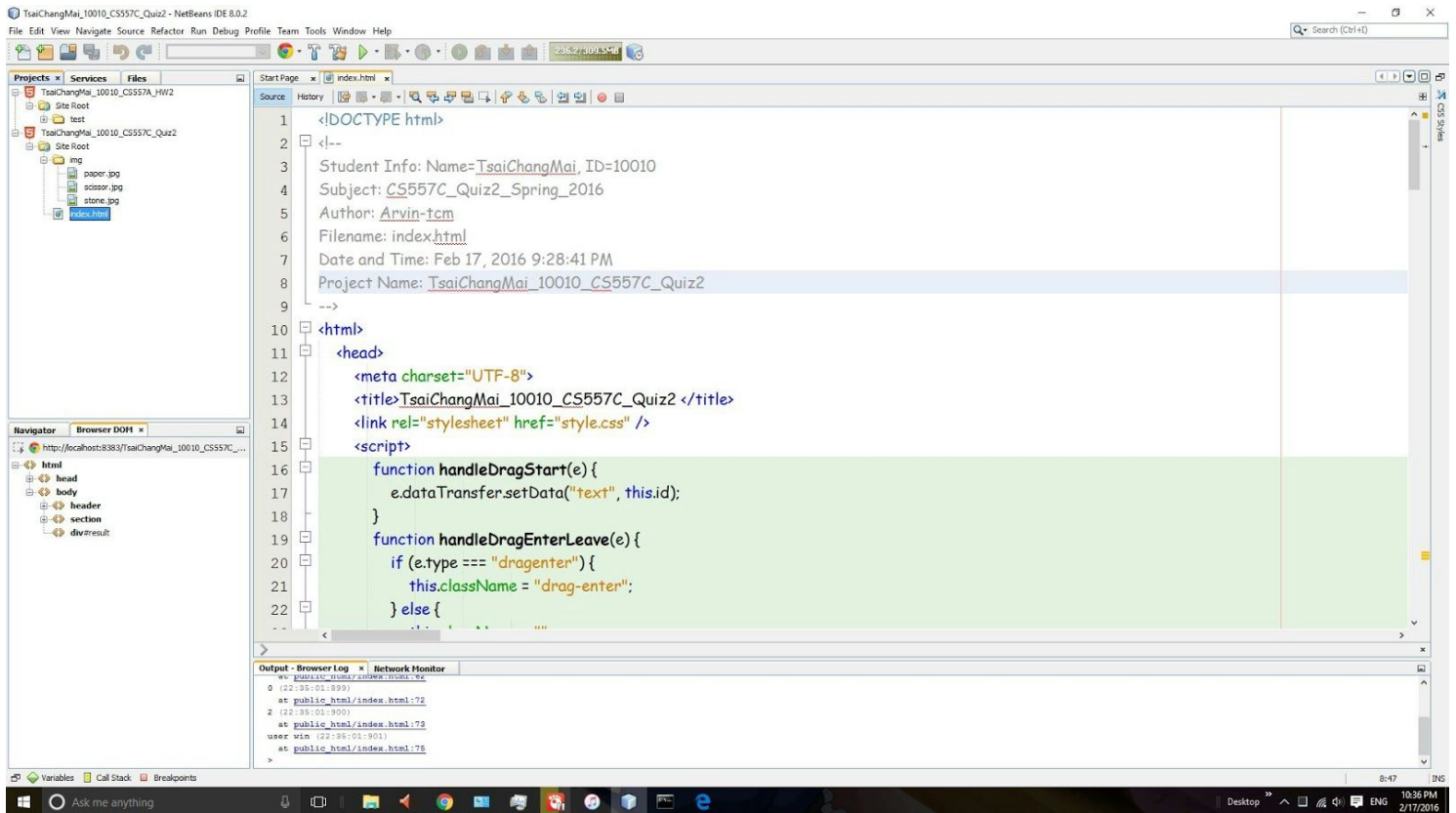


## 1) screenshot



## 2) HTML code

**index.html**

```

<!DOCTYPE html>
<!--
Student Info: Name=TsaiChangMai, ID=10010
Subject: CS557C_Quiz2_Spring_2016
Author: Arvin-tcm
Filename: index.html
Date and Time: Feb 17, 2016 9:28:41 PM
Project Name: TsaiChangMai_10010_CS557C_Quiz2
-->
<html>
<head>
<meta charset="UTF-8">
<title>TsaiChangMai_10010_CS557C_Quiz2 </title>
<link rel="stylesheet" href="style.css" />
<script>
    function handleDragStart(e) {
        e.dataTransfer.setData("text", this.id);
    }
    function handleDragEnterLeave(e) {
        if (e.type === "dragenter") {
            this.className = "drag-enter";
        } else {

```

```
        this.className = "";
    }
}
function handleOverDrop(e) {
    e.preventDefault();
    if (e.type !== "drop") {
        return;
    }
    var draggedId = e.dataTransfer.getData("text");
    var draggedEl = document.getElementById(draggedId);
    if (draggedEl.parentNode === this) {
        return;
    }
    var clone = draggedEl.cloneNode(true);
    //draggedEl.parentNode.removeChild(draggedEl);
    this.appendChild(clone);
    this.className = "";
}
window.onload = function () {
    var draggable = document.querySelectorAll("[draggable]");
    var targets = document.querySelectorAll("[data-drop-target]");
    for (var i = 0; i < draggable.length; i++) {
        draggable[i].addEventListener("dragstart", handleDragStart);
    }
    for (i = 0; i < targets.length; i++) {
        targets[i].addEventListener("dragover", handleOverDrop);
        targets[i].addEventListener("drop", handleOverDrop);
        targets[i].addEventListener("dragenter", handleDragEnterLeave);
        targets[i].addEventListener("dragleave", handleDragEnterLeave);
    }
};
function start() {
    pics = ["http://localhost:8383/TsaiChangMai_10010_CS557C_Quiz2/img/stone.jpg"
        , "http://localhost:8383/TsaiChangMai_10010_CS557C_Quiz2/img/paper.jpg"
        , "http://localhost:8383/TsaiChangMai_10010_CS557C_Quiz2/img/scissor.jpg"];
    var rand = Math.floor(Math.random() * 3) + 1;
    var target = document.querySelector("[data-drop-target-com]");

    var item = document.getElementsByTagName("img");
    console.log(item);
    var cln = item[rand].cloneNode(true);
    var result;
    target.appendChild(cln);
    this.className = "";
    //console.log(cln);
    setTimeout(3000);
    var pick = document.getElementsByTagName("img");
    var user = pick[0].src;
```

```
var com = pick[1].src;
console.log(pics.indexOf(user));
console.log(pics.indexOf(com));
result = win(pics.indexOf(user), pics.indexOf(com));
console.log(result);
var div = document.getElementById("result");
div.innerHTML = div.innerHTML + result;
}
function win(user, com) {
  if (user === com) {
    return "tie";
  }
  if (user > com) {
    if (user - com === 1) {
      return "user win";
    } else {
      return "computer win";
    }
  } else if (user < com) {
    if (user - com === -1) {
      return "computer win";
    } else {
      return "user win";
    }
  }
}
</script>
<style>
img {
  width: 100%;
  height: 100%;
}
.panel {
  height: 220px;
  width: 90%;
  margin: 2px;
  background-color: gainsboro;
  float: left;
}
[data-drop-target] {
  height: 200px;
  width: 23%;
  margin: 5px;
  background-color: lightblue;
  float: left;
}
[data-drop-target-com] {
  height: 200px;
```

```
    width: 23%;
    margin: 5px;
    background-color: lightblue;
    float: left;
  }
  .drag-enter {
    border: 2px dashed #000;
  }
</style>
</head>
<body>
  <header>
    <h1>Game</h1>
  </header>
  <section>
    <div class="panel">
      <div data-drop-target="true"></div>
      <div data-drop-target-com="true"></div>
    </div>
    <div class="panel">
      <div data-drop-target="true"></div>
      <div data-drop-target="true"></div>
      <div data-drop-target="true"></div>
    </div>
    <div>
      <button onclick="start()">Start</button>
    </div>
  </section>
  <div id = "result"></div>
</body>
</html>
```

3) result screen shot

NetBeans IDE 8.0.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Services Files

Start Page x index.html x

Source History

```
1 <!DOCTYPE html>
2 <!--
3 Student Info: Name=TsaiChangMai, ID=10010
4 Subject: CS557C_Quiz2_Spring_2016
5 Author: Arvin-tam
6 Filename: index.html
7 Date and Time: Feb 17, 2016 9:28:41 PM
8 Project Name: TsaiChangMai_10010_CS557C_Quiz2
9 -->
10 <html>
11 <head>
12 <meta charset="UTF-8">
13 <title>TsaiChangMai_10010_CS557C_Quiz2</title>
14 <link rel="stylesheet" href="style.css">
15 <script>
16 function handleDrag(e) {
17     e.dataTransfer.setData("text", "123456789");
18 }
19 function handleDrop(e) {
20     if (e.type === "dragend") {
21         this.className += " dragover";
22     } else {
23         this.className = "dragover";
24     }
25 }
26 </script>
27 </head>
28 <body>
29 <div>
30 <div>Game</div>
31 </div>
32 </body>
33 </html>
```

Navigator Browser DOH x

http://localhost:8383/TsaiChangMai\_10010\_CS557C\_Quiz2/index.html

Output - Browser Log x Network Monitor

1 (22:37:34:505) at public\_html/index.html:72  
0 (22:37:34:505) at public\_html/index.html:79  
user win (22:37:34:505) at public\_html/index.html:76

Game

Start user win

10:37 PM 2/17/2016