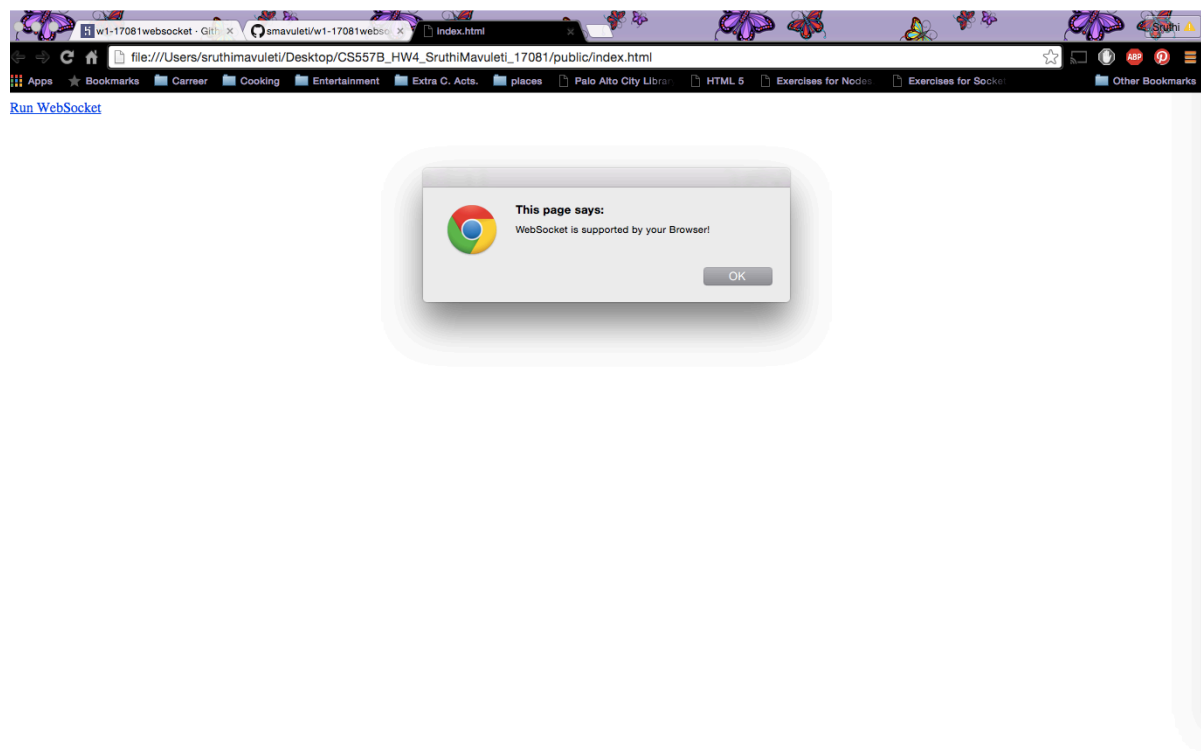


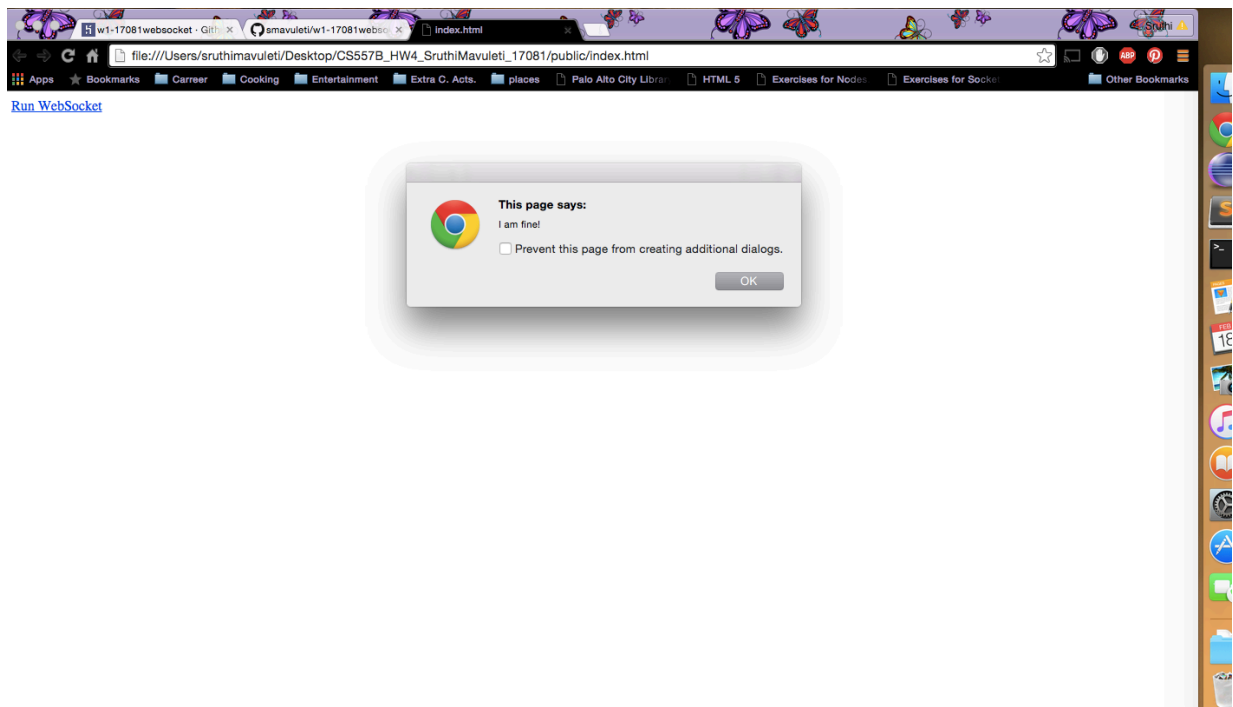
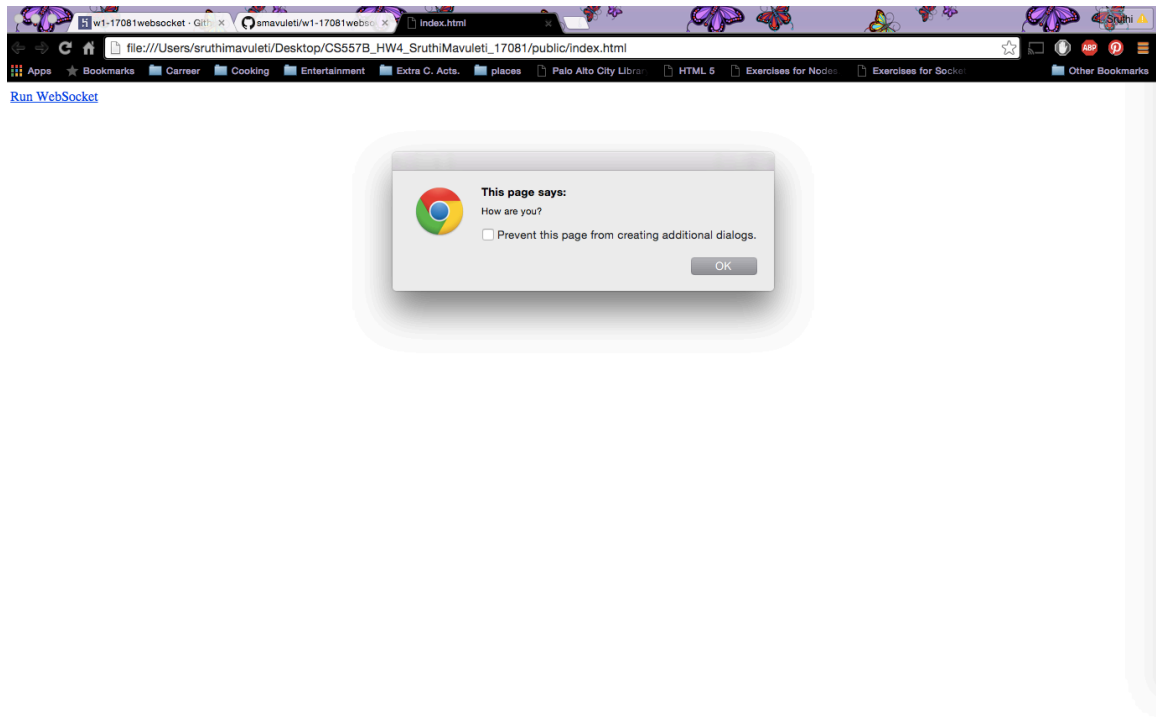
Websocket server in node.js:



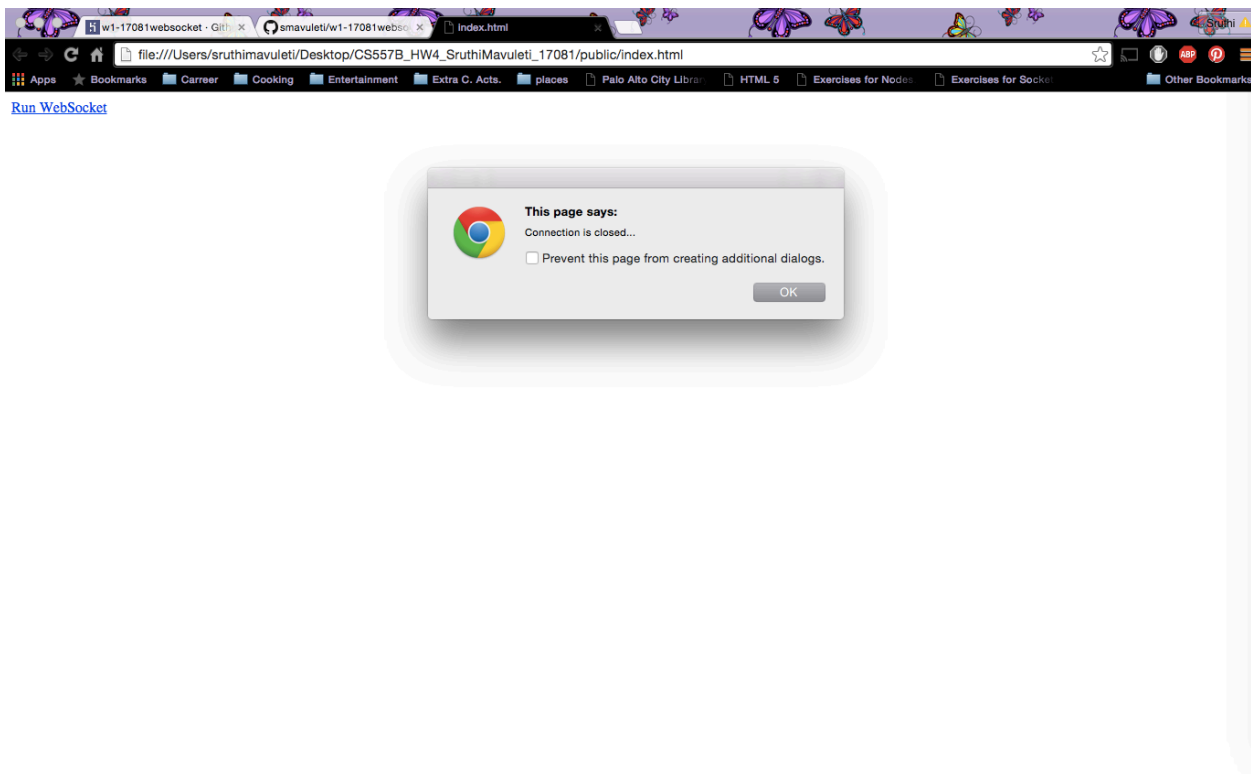
```
CS557B_HW4_SruthiMavuleti_17081 — node — 125x37
node
Last login: Thu Feb 18 14:27:42 on ttys000
Sruthis-MacBook-Air-2:~ sruthimavuleti$ cd desktop
Sruthis-MacBook-Air-2:desktop sruthimavuleti$ cd CS557B_HW4_SruthiMavuleti_17081/
Sruthis-MacBook-Air-2:CS557B_HW4_SruthiMavuleti_17081 sruthimavuleti$ node server.js
Thu Feb 18 2016 14:36:59 GMT-0800 (PST) Server is listening on port 8080
```



```
CS557B_HW4_SruthiMavuleti_17081 — node — 125x37
node
Last login: Thu Feb 18 14:27:42 on ttys000
Sruthis-MacBook-Air-2:~ sruthimavuleti$ cd desktop
Sruthis-MacBook-Air-2:desktop sruthimavuleti$ cd CS557B_HW4_SruthiMavuleti_17081/
Sruthis-MacBook-Air-2:CS557B_HW4_SruthiMavuleti_17081 sruthimavuleti$ node server.js
Thu Feb 18 2016 14:36:59 GMT-0800 (PST) Server is listening on port 8080
Thu Feb 18 2016 14:37:32 GMT-0800 (PST) Connection accepted.
Received Message: How are you?
I am fine!
```



```
CS557B_HW4_SruthiMavuleti_17081 — bash — 125x37
bash
Last login: Thu Feb 18 14:27:42 on ttys000
Sruthis-MacBook-Air-2:~ sruthimavuleti$ cd desktop
Sruthis-MacBook-Air-2:desktop sruthimavuleti$ cd CS557B_HW4_SruthiMavuleti_17081/
Sruthis-MacBook-Air-2:CS557B_HW4_SruthiMavuleti_17081 sruthimavuleti$ node server.js
Thu Feb 18 2016 14:36:59 GMT-0800 (PST) Server is listening on port 8080
Thu Feb 18 2016 14:37:32 GMT-0800 (PST) Connection accepted.
Received Message: How are you?
I am fine!
^C
Sruthis-MacBook-Air-2:CS557B_HW4_SruthiMavuleti_17081 sruthimavuleti$
```



```
package.json UNREGISTERED
package.json x
1 {
2   "name": "homework-heroku-app",
3   "description": "Application for Homeworks",
4   "main": "server.js",
5   "dependencies": {
6     "ejs": "~1.0.0",
7     "express": "~4.9.8",
8     "websocket" : "1.0.22"
9   }
10 }
11 }
```

```
index.html
UNREGISTERED

1 <!DOCTYPE HTML>
2 <html>
3 <head>
4 <script type="text/javascript">
5
6 function WebSocketTest()
7 {
8   if ("WebSocket" in window)
9   {
10    alert("WebSocket is supported by your Browser!");
11    var ws = new WebSocket("ws://localhost:8080", 'echo-protocol');
12
13    ws.onopen = function()
14    {
15      // Web Socket is connected, send data using send()
16      ws.send("How are you? ");
17      alert("How are you? ");
18    };
19
20    // The message event occurs when client receives data from server.
21    ws.onmessage = function (evt)
22    {
23      var received_msg = evt.data;
24      alert(received_msg);
25    };
26
27    // The close event occurs when connection is closed.
28    ws.onclose = function()
29    {
30      // websocket is closed.
31      alert("Connection is closed...");
32    };
33
34    // The error event occurs when connection is closed.
35    ws.onerror = function()
36    {
37      // There is error
38      alert("WebSocket error...");
39    };
40  }
41  else
42  {
43    // The browser doesn't support WebSocket
44    alert("WebSocket NOT supported by your Browser!");
45  }
46 }
47 </script>
48 </head>
```

```
server.js
UNREGISTERED

1 var WebSocketServer = require('websocket').server;
2 var http = require('http');
3
4 var server = http.createServer(function(request, response) {
5   console.log((new Date()) + ' Received request for ' + request.url);
6   response.writeHead(404);
7   response.end();
8 });
9 server.listen(8080, function() {
10   console.log((new Date()) + ' Server is listening on port 8080');
11 });
12
13 // Create Websocket Server
14 wsServer = new WebSocketServer({
15   httpServer: server,
16   autoAcceptConnections: false
17 });
18
19 function originIsAllowed(origin) {
20   return true;
21 }
22
23 wsServer.on('request', function(request) {
24   if (!originIsAllowed(request.origin)) {
25     // Make sure we only accept requests from an allowed origin
26     request.reject();
27     console.log((new Date()) + ' Connection from origin '
28       + request.origin + ' rejected.');
```