FIT2095 e-Business software technologies S2 2019

Started on	Friday, 18 October 2019, 12:07 PM
State	Finished
Completed on	Friday, 18 October 2019, 12:40 PM
Time taken	32 mins 45 secs
Grade	**8.18** out of 10.00 (**82**%)

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Question **1**	Question 1
Complete	
Mark 8.18 out of 10.00	

PARAM1: DataType: String

   Role: Provides Event Name

PARAM2: DataType: Object

   Role: provides serializable object

PARAM3: DataType: String

   Role: provides the name of the event that is supposed to be processed

PARAM4: DataType: Function

   Role: a Callback function that gets invoked while waiting for connections

Comment:
Q1=50% Q2=100% Q3=100%

Question 2

Complete

Not graded

Question 2

(Q1)

(1 Difference) HTTP connection does not keep the connection (unsynchronous) open as with Socket connections (which creates a "tube" to keep the data flow synchronized.

Socket connections can broadcast back to the connected clients at any time, but HTTP connections are initiated always by the client before the server can respond back.

(2 Difference) Http connection is unsynchronized and the channel closes once the client is served with a response.

Socket.io connection is synchronized, and the channel stays open till it is terminated by the client.

(Q2)

Socket io can send requests to specific client groups connected to defined "Namespaces" which also contain "Rooms" or to certain client ID's. This is what is meant with separation of concern.

Question 3

Complete

Not graded

Question 3

```
var app = require('express')();
var server = require('http').Server(app);
let io = require("socket.io")(server);
let port = 8080;
io.on("connection", socket => {
        socket.on("values" function(num){
            let sq = Math.pow(num, 2);
            io.sockets.emit("yourSquare", sq);

            io.socket.broadcast.emit("newSquare",sq)
        }
}
server.listen(port, () => {
console.log("Listening on port " + port);
});
```

Question 4

Not answered

Not graded

Question 4

Question 5

Not answered

Not graded

Question 5

Question 6

Not answered

Not graded

Question 6

Question 7

Question **7**

Not answered

Not graded

Question 7

Question 8

Question **8**

Not answered

Not graded

Question 8

◀ Week 11: Real-Time Bidirectional Event-Based Communication & Cloud Service

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Building Contact List Application Using the Mean Stack ▶