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1 // Module: IT8904 BDD
2 // Assignment 1 - CA1
3 // Student No: P7461072
4 // Student Name: ONG WEI CHUAN
5
6 // Filename: user.js
7 // Directory: P7461072_BDD_CA1/model/
8 // This file is under the model layer and is focused in
9 // processing of data between Controller and Database
10 // Controller <--> Model (user.js) <--> Database
11 // This file is to connect to mySQL and write fctions
12 // to query the database table and retrieve the results.
13
14 var db = require("../databaseConfig");
15
16 var userDB = {
17     // POST /login - Login by admin
18     loginUser: function (email, password, callback) {
19         var dbConn = db.getConnection(); //get configuration settings of mySQL DB
20
21         // Callback function to handle result from connection
22         dbConn.connect(function (err) {
23             // Error from connection detected
24             if (err) {
25                 console.log("user DB connect error msg: " + err);
26                 return callback(err, null);
27             }
28             // Successful connection, proceed to do the query
29             else {
30                 console.log("Database Connected Successfully!");
31                 var sql = "select * from user where email=? and password=?";
32                 dbConn.query(sql, [email, password], function (err, results) {
33                     dbConn.end(); //End the connection
34                     console.log("user sql error: " + err);
35                     console.log("user sql results: " + JSON.stringify(results));
36
37                     return callback(err, results);
38                 }); //dbConn.query
39             }
40         }); //dbConn.connect
41     }, //loginUser
42 }; //userDB
43
44 module.exports = userDB;
45

```