WEB322 Test 5

# Instructions: Complete all questions in the spaces provided. This quiz is worth 10% of your final mark and you will have exactly 20 minutes to complete it.

# Question 1 (10 Marks):

This question is about creating a Node.js web application with security through implementing sessions with client-sessions middleware. Suppose the express, client-sessions and other necessary modules have been loaded in your server.js:

var express = require("express");

var app = express();

var clientSessions = require("client-sessions");

. . . . . .

Complete the following coding tasks:

1. Setup a session with appropriate cookie name, un-guessable string (use your full name as value), duration 20 minutes and active duration 10 minutes: [3 marks]

app.use(clientSessions({

cookieName: "test"

secret: "nozomitsuchiya "

duration: 2 \* 60 \* 1000 \* 10,

activeDuration: 1000 \* 60 \* 10  
}));

1. Create a route ("/login") to display the login html page. Suppose the login.hbs view was created already. [1 mark]

app.get("/login", function(req, res) {

res.render("login");

});

1. Suppose the route ("/login") for validate user’s credentials was created already. Write only the code in the “login” route to create session’s user object with your learn id as username and your Seneca Email as email value. [2 marks]

app.post("/login", (req, res) => {

const username = req.body.learnid;

const password = req.body.password;

if(username === "" || password === "") {

return res.render("login", { errorMsg: "Missing credentials.", layout: false });

}

if(username === user.username && password === user.password){

req.session.user = {

username: user.username,

email: ntsuchiya1@myseneca.ca

};

} else {

res.render("login", { errorMsg: "invalid username or password!", layout: false});

}

});

1. Complete the helper middleware function. If a user is authenticated call the next function. If not redirect to the login page. [2 marks]

function ensureLogin(req, res, next) {

if (!req.session.user) {

res.redirect("/login");

} else {

next();

}

}

1. Complete the log out process by destroying the session. [1 mark]

app.get("/logout", function(req, res) {

req.session.reset();

res.redirect("/login");

});

1. create the route “/about” to render the about.hbs page. Note: only authenticated user can access the page.

[1 mark]

app.get("/about", ensureLogin, (req, res) => {

res.render("about", {user: req.session.user, layout: false});

});