ГУАП

КАФЕДРА № 43

ОТЧЕТ   
ЗАЩИЩЕН С ОЦЕНКОЙ

ПРЕПОДАВАТЕЛЬ

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| --- | --- | --- | --- | --- |
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| ОТЧЕТ О ЛАБОРАТОРНОЙ РАБОТЕ №2 |
| Разработка ресурса REST/JSON сервиса |
| по курсу: Технология разработки серверных информационных систем |
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РАБОТУ ВЫПОЛНИЛ

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| СТУДЕНТ ГР. № | 4134к |  |  |  | Д.В. Самарин |
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Санкт-Петербург 2023

**Текст и вариант задания:**

16 вариант

Система безопасности предприятия (помещения, люди, права на вход)

**Описание разрабатываемого продукта:**

1 Переведите вебсервер на использование SSL

2 Реализуйте form-based authentication

3 Защитите ресурсы, требующие запись и введите аудит.

**Текст основных фрагментов кода :**

error;

<!DOCTYPE HTML>  
<html xmlns:th="http://www.thymeleaf.org">  
<head>  
</head>  
<body>  
<div class="container">  
 <div class="starter-template">  
 <table>  
 <tbody>  
 <tr><td rowspan = "2"><img src="img/logo.png"/></td><td></td></tr>  
 <tr><td></td></tr>  
 </tbody>  
 </table>  
 <h1>403 - Access is denied</h1>  
 <div th:inline="text">Hello '[[${#httpServletRequest.remoteUser}]]',  
 you do not have permission to access this page.</div>  
 </div>  
</div>  
<!-- /.container -->  
</body>  
</html>

forbidden;

<!DOCTYPE HTML>  
<html xmlns:th="http://www.thymeleaf.org">  
<head>  
 <link href="css/bootstrap.min.css" rel="stylesheet"></link>  
 <link href="css/login.css" rel="stylesheet"></link>  
  
 <script src="js/jquery-1.9.1.min.js"></script>  
 <script src="js/bootstrap.min.js"></script>  
 <script src="js/angular-1.7.5.min.js"></script>  
</head>  
<body>  
<div class="container">  
 <div class="starter-template">  
 <h1>403 - Access is denied</h1>  
 <div th:inline="text">Hello '[[${#httpServletRequest.remoteUser}]]',  
 you do not have permission to access this page.</div>  
 <div><a th:href='/'>Return to home page</a></div>  
 </div>  
</div>  
<!-- /.container -->  
</body>  
</html>

login;

<!DOCTYPE html>  
<html xmlns="http://www.w3.org/1999/xhtml" xmlns:th="http://www.thymeleaf.org"  
 xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity4">  
<head>  
 <title>Log in</title>  
  
 <link href="../static/css/bootstrap.min.css" th:href="@{/css/bootstrap.min.css}" rel="stylesheet"></link>  
 <link href="css/login.css" rel="stylesheet"></link>  
  
 <script src="js/jquery-1.9.1.min.js"></script>  
 <script src="js/bootstrap.min.js"></script>  
 <script src="js/angular-1.7.5.min.js"></script>  
  
  
</head>  
<body id="LoginForm">  
<div class="container">  
 <div class="login-form">  
 <div class="main-div">  
 <div class="panel">  
 <h2 class="form-heading">TimeTable</h2>  
 <p>Please enter your login and password</p>  
 <div th:if="${param.error}" class="alert alert-danger">Unknown username or password.</div>  
 <div th:if="${param.logout}" class="alert alert-success">Good bye!</div>  
 </div>  
 <form th:action="@{/login}" method="post">  
 <div class="form-group">  
 <input type="text" class="form-control" id="login" name="login" placeholder="Login"/>  
 </div>  
 <div class="form-group">  
 <input type="password" class="form-control" id="pass" name="pass" placeholder="Password"/>  
 </div>  
  
 <div class="forgot">  
 <!--<a href="reset.html">Forgot password?</a>-->  
 </div>  
 <button type="submit" class="btn btn-primary">Login</button>  
 </form>  
 </div>  
 </div></div>  
</body>  
</html>

rooms;

<!DOCTYPE html>  
<html xmlns="http://www.w3.org/1999/xhtml" xmlns:th="http://www.thymeleaf.org"  
 xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3">  
<head>  
  
 <meta charset="utf-8"></meta>  
 <meta http-equiv="X-UA-Compatible" content="IE=edge"></meta>  
 <meta name="viewport" content="width=device-width, initial-scale=1"></meta>  
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8"></meta>  
  
 <title>GameShop</title>  
  
 <link href="../static/css/bootstrap.min.css" th:href="@{/css/bootstrap.min.css}" rel="stylesheet"></link>  
  
  
 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.4.3/angular.min.js"></script>  
 <script>  
 var app = angular.module('shop', []);  
 app.controller("GsApiController", function( $scope, $http){  
 $scope.getGames = function (){  
 $http.get('/gs').success(function (data, status, headers, config){  
 $scope.Gshop = data;  
  
 console.log($scope.Gshop)  
 }).error(function (data, status, headers, config){  
 if (data.message === 'Time is out'){  
 $scope.finishByTimeout();  
 console.log('Errorrrr')  
 }  
 });  
 };  
  
  
 $scope.delGame = function (id){  
 $http.delete('/gs/'+id).success(function (data, status, headers, config){  
 for (var i = 0; i <$scope.Gshop.length;i++){  
 var j = $scope.Gshop[i];  
 if (j.id===id){  
 $scope.Gshop.splice(i, 1);  
 break;  
 }  
 }  
 }).error(function (data, status, headers, config){  
 if (data.message === 'Time is out'){  
 console.log('Errorrrr')  
 }  
 });  
 };  
  
 $scope.createGame = function (){  
 $http.post('/gs', JSON.stringify({  
 'name': $scope.name,  
 'type': $scope.type  
 })).success(function (data, status, headers, config){  
 console.log("successsssssssssss");  
 console.log(data);  
 $scope.Gshop.splice(0,0,data);  
  
 }).error(function (data, status, headers, config){  
 if (data.message === 'Time is out'){  
 console.log('Errorrrr')  
 }  
 });  
 };  
  
 });  
 </script>  
</head>  
<body ng-app="shop" ng-controller="GsApiController">  
  
 <div sec:authorize="isAnonymous()" >  
 <h1><a href="/login">Login</a></h1>  
 </div>  
  
 <div sec:authorize="isAuthenticated()">  
 <form name="logoutForm" th:action="@{/logout}" method="post">  
 <input type="submit" class="btn btn-primary" value="Sign Out"/>  
 </form>  
 </div>  
 <h1>Комнаты</h1>  
 <div ng-controller="getGames" ng-show="Gshop.length>0">  
 <table id ="GTable" style="width: 50%">  
 <thead>  
 <tr>  
 <th>id </th>  
 <th>ФИО </th>  
 <th>Номер Комнаты</th>  
 <th>Действие</th>  
 </tr>  
 </thead>  
 <tbody>  
 <tr ng-repeat="Game in Gshop" id ="{{game.id}}">  
 <td style="margin-right: auto; margin-left: auto">{{Game.id}}</td>  
 <td style="margin-right: auto; margin-left: auto">{{Game.name}}</td>  
 <td style="margin-right: auto; margin-left: auto">{{Game.type}}</td>  
 <td><input type="button" value="remove" ng-click="delGame(Gshop.indexOf(Game))"></td>  
  
 </tr>  
 </tbody>  
 </table>  
  
 </div>  
 <div>  
 <form role="form" ng-submit="createGame()">  
 <div>  
 <input placeholder="ФИО" type="text" name ="name" ng-model="name" />  
 <input placeholder="Комната" type="text" name="type" ng-model="type" />  
 </div>  
 <div><input type="submit" value="Отпарвить"></div>  
 </form>  
 </div>  
  
  
  
</body>  
</html>