Introducti程序的写附做Ses编辑编977

Weighting: 50% _____module

Version Informal transfer to 2023

Submission dead in the ine on Sussex direct. e-submission to Canvas

You must work on this assignment on your own. The standard Informatics rules for collusion, plagiarism and lateness apply: Any cases of potential misconduct discovered will be reported and investigated. CSTUTORS

Assignment Project Exam Help

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will need to take screen shots of your settings to provide it in the report.



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Part B (90 mark程序代写代做 CS编程辅导

Lovejoy's Antique Evaluation Web Application

In this part of the cou	lop a secure web application for a local antique dealer
named Lovejoy. Love	viable product allowing customers to register and then
request evaluations o	
who may sometimes I	ttics and so is very concerned about the security of the
application.	19/2 0 01/2 0 9

Your secure web appl ve these features for the minimum viable product (MVP) release: user registration and login, a password policy, "request evaluation" page and then an extension of the "request evaluation" page file upload to allow upload of photos. Finally, Lovejoy needs a request listing vige chat: cstutorcs

You should build Lovejoy's MVP focusing on the following features in each task. As well as the code, you should submit a report as described in the appendix below, where you will provide a self-reflection on the security and for each feature. Mark allocation for each task are as described below and in the security analysis grid. You should reflect upon your work and provide estimates of now much you've achieved by filling out the marking grid, which if completed will be allocated 5 marks. An example of self-reflection is provided in the Canvas. There are thus 35 marks for completing the application reasonably. So in the security features denote the application.

You have a choice of technologies from which to build the application:

- PHP (host it for fee on 000 we the 38 on the AWS)
- Java
- Python

No other approach is **abute ps**you are **uitors and particular** should research it yourself to find out where you want to host it.

Task 1 - Develop a secure web form that allows customers to register in the application. They must register an email address, password, name and contact telephone number. The users'	Code Quality 5 marks	
details should be stored in a database.	Database Design 5 marks	
Task 2 - Develop a secure login feature.	Code Quality 5 marks	
Task 3 – Extend the password management feature to provide password strength recommendations and password recovery.	Code Quality 5 marks	
Task 4 - Implement a "Request Evaluation" web page only accessible to logged in users. This web page should have a comment box to type in the details of the object and their request, and a dropdown box for preferred method of contact between phone or email.	Code Quality 5 marks	



Submission guidan

You are only submitting the report to the Canvas. You must follow the report template.

Report -- You must use the report template provided at the end of this coursework description. In your report you hill to vide scheme Sold the marking criteria elements and annotate where necessary. In screen shots for the code, please don't give a big chunk of code, provide only the related lines.

Use bullet points to regularing photoselon twitte bit please and Help

Recording -- You will use Sussex Panopto to record the working of your application and to show features that will be difficult for us to test. For example, if you implement 2FA, record it in Panopto to show that it is working, then comment out that feature so that we can test other features. Provide us a test user detail so that we can test the application. Recording should not be more than 10 minutes. You must need to plan your recording and user testing strategy in a way that you are able to see a feature working and cannot test it, I cannot give marks for that feature.

URL – URL of your application - / of must host your application online. The URL will need to be provided in the report.

Code file location -- Upload your code to the OneDrive and provide the code link in the report for our inspection.

Excellent (10-9 marks)	Good (8-6 marks)	Average (5-3 marks)	Poor (2-0 marks)	Criteria
Student must have gone beyond Policy has no flaw, and its implementation is excellent. Various mechanisms implemented to ensure password policy is secure.	Policy has no flaws, but implementation of policy is simple.	Password policy has very few flaws. However, different sections of policy are implemented and working.	Polic learning lars for the policy assword is not encrypted, and no salt applied. Password forgot policy has security flaws.	Password policy 10marks Password entropy, encrypted storage, security questions and recovery of password
Several countermeasures are implemented, and the quality of countermeasures are excellent.	Countermeasures are implemented in the pages however quality of implementation is simple.	sures only in some	Very little effort to implement countermeasures to avoid these vulnerabilities.	Vulnerabilities 10 marks SQL injection, XSS, CSRF, File Upload and any other obvious vulnerability.
All the requirements are implemented to authenticate users. Implementation quality is excellent.	All requirements are implemented to authenticate the user. However, quality of implementation is simple.	rements are not	Lots of obvious authentication's requirements are not implemented.	Authentication 10 marks User identity management (registration and login etc), Email verification for registration, 2 factor authentications (PIN and or email),
Excellent implementation of countermeasures against these attacks.	No flaws in countermeasures however quality of implementation is simple.	asures	Very little effort against these attacks.	Obfuscation/Common attacks 10 marks Brute force attack – Number of attempts Botnet attack – Captcha Dictionary attack/Rainbow table attack
Claimed features are complex. The quality of achievement is excellent. No holes in the web application.	Claimed features are complex however quality of achievement/implementation could have been better. Very few flaws in the security of the application	Claimed features are somewhat complex and implementation could have been better. Some laws in the security of up in the latter.	Minimal effort to implement some obvious security features like storing confidential formation.	Deeper understanding, 10 marks Carry out your investigation and implement more security features to ensure that there no gaps in your application.

5 marks	5 marks	5 marks ASSIONME	nthart Project	Emarks 1110 marks C 10	
List evaluation-Task6	Request evaluation – task 5	Request evaluation – task		Login-Task2 User registration Database-Task1	Features of webs application

			\bigcirc 1 \bigcirc	
Up to 5 marks	□, n e n r	s (CS	$(w \mid b)$	com
Fully completed	Markin		<u> </u>	

Excellent (9 to 10)	Good (6 to 8)	Average (3 to 5) 2 Q Q A	Poor (0-2)	
Everything is implemented as in the	Very little mistakes in the	Jew mis akes in implementation	Very little attempt.	Virtual Private Cloud & Security groups
infrastructure	implementation			

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Report

secure application part and the last task 7 covers the AWS. You will provide the three required links below.

- 1) Application URL: (URL to your web-ap anywhere. You will need to ensure that it is available till end of Jan for us to assess.)
- Code file Location here. Set up correct permission so that anyone with a link can view Upload your code to
- 3) Panopto recording and possibly test users' detail:----If you don't provide this, we will not be able to test your work fully.

Task 0 – Self-reflect Chat: cstutorcs Marking grid filled up by you. Fill it up and past it here. We expect you to self-assess yourself fairly.

Task 1 – User registration Registration feature codes resistant Project Exam Help

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Why do you think it is ted (e) Use the bonk to work the sons and back it up with code snippet from your application. Don't paste the big junks of code in the report, show us those specific lines, highlight, and annotate if you need

- https://tutorcs.com

Task 2 - Develop a secure login feature.

Login feature code screenshots

Why do you think it is secure? Use bullet points to provide your reasons and back it up code snippet from your application.

Task 3 - Implement password strength and password recovery

List each password policy element that you implemented and back it up with code snippets from your application.

Request Evaluation feature screenshot

Why do you think it is



Task 5 - Develop a

ow customers to submit photographs

Code of the feature

WeChat: cstutorcs

Why do you think it is secure?

Assignment Project Exam Help

Task 6 – Request Listing Page

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Code of the feature

Why do you think it is $\mathbf{Q}\mathbf{Q}$: 749389476

Task 7 - AWS Virtuhttps://tuttorcs.com