

程序代写代做 CS编程辅导

IT Infrastructure and Security (COSC2737)



I focused project

Option 1 Develop

form for alumni management, include:

- 1. Implement a I face (UI) for registration and login. (8 marks)
 - a. A friendly user registration interface, to collect the username and password and store into the database (details in 2a).
 - b. User login and identity authentication with the password used for registration provided in 1a.
 - c. A link for Accordant on the link for Accordance is Republic to the link for Accordance is Rep
- 2. Implement a role-based access to the back-end database. (6 marks)
 - a. Keep the hold a sernand and has seed as short (control in 1a) into the backend database of your choice, e.g, SQLite.
 - b. Assume that the documents (transcript and graduation certificate) are already in the system, to proper ent / O
 - Registered users (alumni) can access and download his/her transcript and certificate anytime.
 - Externations company of Sales Man verify the genuineness of a certificate by input the unique number on the certificate.
- 3. Technical documentation includes: (18 marks)
 - a. Showing the overall architecture about security protection for client side, server side and communication channel of a web platform.
 - b. How a secure socket is established between a client and a server?
 - Showing how the external users' searching request is found and the result is returned to the requestor.
 - c. How the Diffie-Hellman protocol produces the shared key between a client and a server, give the detailed steps.
 - d. Using an example to show how a digital signature is used to guarantee the integrity of the returned document.
- 4. Start-up idea (5 marks)
 - a. Explain what a distributed trust is.
 - b. Give a proposal of tracking items with blockchain technology.

- 1. Create a QR code. (8 marks)

 - b. Show ho s linked to the QR code.

 You are solutions at the lement the URL and add an item of "input mobile not be a lement trade 1c.
 - c. Use a die searching function for retrieving the data (e.g., the study program) from the back-end server.
- 2. Design a one trage poster to promote (for selling) the app. You can design a vivid poster of your style, the content may include, but is not limited to: (6 marks)
 - a. In what sination it the Property Project Exam Help
 - b. List the steps of generating a QR code.
- c. How the infomration is handled securely

 3. Write a technical document for nosting the app on Amazons Web Server (AWS).

 (18 marks)
 - a. Showing the operall at the sting the web page and database on AWS.
 - b. How a virtual machine is established for maintaining the attendee tacking?
 - What the long of the left of
 - c. How the Diffie-Hellman protocol produces the shared key between a client and a server, give the detailed steps.
 - d. Using an example to show how a digital signature is used to guarantee the integrity of a document.
- 4. Start-up idea (5 marks)
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