Capstone Project | Omirgaliev Ruslan
Participants
Competencies
Grades
General
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9
Week 10
Home
Dashboard
Calendar
Private files
My courses
Technological Entrepreneurship | Turkebayeva Karina
Capstone Project | Omirgaliev Ruslan
Information Security Fundamentals | Kulbayeva Laura
Software Architecture | Basheyeva Zhuldyz
Software Quality Assurance and Testing | Tuseeva Inara

Capstone Project | Omirgaliyev Ruslan

Time left 1:46:55

Question **6**
Not yet answered
Marked out of 9.00
Flag question

The Library Management System (LMS) is designed to facilitate the management of library operations, including book cataloging, member registration, book borrowing/returning, and overdue fine calculation. The system should be user-friendly, accessible via web and mobile devices, and support integration with third-party digital resources.

A:

- **Admin:** Manages the overall system, including user accounts, book inventory, and overdue fine policies.
- **Librarian:** Handles book check-in/check-out, member registrations, and overdue fine management.
- **Member:** Can search for books, borrow/return books, and pay fines.
- **Guest User:** Can search for books but cannot borrow them.

B:

- Users should be able to register and manage their accounts.
- Members should be able to search for books by title, author, or category.
- The system should support book borrowing and returning processes.
- Automated reminders should be sent for due and overdue books.
- Secure payment processing for overdue fines.
- The system should allow librarians to track book availability and generate reports.
- Members should be able to view their borrowing history.

C:

- Cloud-based infrastructure for accessibility.
- Secure database storage with encrypted user and book data.
- Role-based access control (RBAC) for different user types.
- API integration with third-party digital libraries.
- Automated fine calculation and payment processing.

D:

- The system must support at least 500 concurrent users.
- Data storage should comply with GDPR and PCI DSS standards.
- The system should have an uptime of 99.5%.

E:

- Users must be able to create, update, and delete accounts.
- Admins should have the ability to approve or deactivate user accounts.
- Role-based access control must be implemented.

F:

- Librarians should be able to add, update, and remove books from the catalog.
- The system should track the availability of books in real-time.
- The system should provide a search feature for book lookup.

A:
B:
C:
D:
E:
F:

User Requirements	Security Requirements
Compatibility Requirements	Book Management
System Features	User Management
Fine Management	Operational Constraints
User Roles	Reports and Analytics

Question **7**
Not yet answered
Marked out of 12.00
Flag question

Suppose that you have the following dataset. In this task you're going to analyze categorical variables, namely standard error, adjusted SE, 95% CI and 95% adjusted CI and also design effect ratio. Please read carefully attached methodology and by using Python find an answer for the following questions:

Age Group	n	Estimated Proportion	Standard Error	Adjusted SE (Clustering)
25-34				
35-44				

Age Group	95% CI	95% CI (Adjusted)	Design Effect
25-34	and	and	
35-44	and	and	

1 2 3 4 5 6 7 8 9 0 ,

Question **8**
Not yet answered
Marked out of 9.00
Flag question

In this question you can see 1 code example that incorporate different naming conventions. Please match variables' name with correct naming conventions.

private int intEmployeeID;

public Employee(int employeeID, String firstName, String lastName, String ssn, Date dob, String pin)

public void setEmployeeID(int employeeID) {
this.intEmployeeID = employeeID; }

private String strDepartmentName;

private String strCEO;

private String strCTO;

public void AddDepartment(Department department)

Hungarian | Pascal | Acronym

Question **9**
Not yet answered
Marked out of 9.00
Flag question

This question is related to Software Testing. Please read carefully attached document, and define correct Test case type.

A	Choose...
B	Choose...
def test__with_stub_cart	Choose...
def calculate_total	Choose...

Question **10**
Not yet answered
Marked out of 10.00
Flag question

In attached document you will have 2 examples of written codes. Please read carefully, if it is necessary you can run a code and specify for each case (bug problem or Ok case).

A	Choose...
B	Choose...
C	Choose...
D	Choose...
E	Choose...
F	Choose...
G	Choose...
H	Choose...

Previous page
Finish attempt ...

◄ Supplementary Materials(6-variant)
Jump to...

Quiz navigation

1 2 3 4 5 6 7 8 9 10

Finish attempt ...