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Time left 1:48:23

Question **6**

Not yet answered

Marked out of 9.00

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:

- Members should be able to borrow and return books.
- The system should set due dates for borrowed books and track overdue books.
- Automated reminders should be sent for due and overdue books.

B:

- The system should automatically calculate overdue fines.
- Members should be able to pay fines online.
- Admins should have access to fine reports and payment records.

C:

- The system should generate reports on book usage, overdue books, and member activity.
- Admins should be able to export reports in multiple formats.
- The system should provide insights into book popularity and library performance

D:

- The system should handle at least 500 transactions per second.
- Response time for any action should not exceed 2 seconds.

E:

- User data should be encrypted at rest and in transit.
- Two-factor authentication should be required for admins.
- The system should log all access and modifications.

F:

- The system should have an intuitive UI for all user roles.
- Mobile responsiveness should be ensured.
- User onboarding should include interactive guides.

A: [_____]
B: [_____]
C: [_____]
D: [_____]
E: [_____]
F: [_____]

Reports and Analytics	Fine Management	User Roles
Borrowing and Returning Books	Performance Requirements	User Requirements
Security Requirements	Usability Requirements	System Features
Compatibility Requirements		

Question **7**

Not yet answered

Marked out of 12.00

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)
18-24	☐☐☐	☐☐☐☐	☐☐☐☐	☐☐☐☐
55-64	☐☐☐	☐☐☐☐	☐☐☐☐	☐☐☐☐

Age Group	95% CI		95% CI (Adjusted)		Design Effect
18-24	☐☐☐☐ and ☐☐☐ ☐		☐☐☐☐ and ☐ ☐☐☐		☐☐☐☐
55-64	☐☐☐☐ and ☐☐☐ ☐		☐☐☐☐ and ☐ ☐☐☐		☐☐☐☐

☐1☐ ☐2☐ ☐3☐ ☐4☐ ☐5☐ ☐6☐ ☐7☐ ☐8☐ ☐9☐ ☐0☐ ☐,☐

Question **8**

Not yet answered

Marked out of 9.00

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

private String strCustomerName; ☐

public Customer(int customerID, String customerName, String email) ☐

public String getEmail() { return strEmail; } ☐

private String strSKU; ☐

private Product prodItem; ☐

public void AddOrderItem(OrderItem orderItem) ☐

private String strOTP; ☐

| Acronym | Hungarian | Pascal |

Question **9**

Not yet answered

Marked out of 9.00

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

A   Choose...

B   Choose...

class TestOrder   Choose...

def test_order_under_repeated_processing   Choose...

Question **10**

Not yet answered

Marked out of 10.00

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...

◄ Supplementary Materials (8-variant)

Jump to...