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#### Verification Test Plan:

##### 1. Test Case: Payment Gateway Integration Verification

- Feature Under Test: Payment Verification Module
- Test Level: Unit
- Test Set/Vector:
  - Valid credit card data (various providers: Visa, MasterCard, etc.)
  - Invalid credit card data (wrong number format, expired cards)
  - Various payment amounts
- Execution:
  - Send requests to the payment gateway to process transactions using the various test vectors.
  - Verify that transactions with valid data are processed successfully.
  - Verify that transactions with invalid data are rejected and appropriate error messages are returned.
- Objective:
  - Ensure that the payment verification module correctly interfaces with the payment gateway, processes transactions accurately, and handles error scenarios gracefully.
- Failure Coverage:
  - Incorrect payment processing
  - Inaccurate error handling and messaging

##### 2. Test Case: User Betting Workflow Verification

- Feature Under Test: User Betting Workflow
- Test Level: Functional
- Test Set/Vector:
  - Account creation with valid and invalid data
  - Login with correct and incorrect credentials
  - Selection of sporting event and bet placement
  - Payment processing with sufficient and insufficient funds

- Execution:

- Create a new user account, login, select a sporting event, place a bet, and process a payment using the various test vectors.

- Verify that each step of the workflow executes as expected and transitions to the next step or returns appropriate error messages.

- Objective:

- Ensure that all integrated features function harmoniously, providing a seamless user experience from account creation to bet placement and payment.

- Failure Coverage:

- Workflow disruption due to failures in any of the steps

- Incorrect error handling and messaging