                  Checklist For Database Testing

1.Test Environment Setup:

 Verify that you have access to a dedicated test database environment that replicates the production environment

2. Data Validation Testing:

 Confirm data accuracy, completeness, and consistency.

 Validate data types, lengths, and formats.

 Check for missing, duplicate, or incorrect data.

 Verify data integrity constraints (e.g., primary keys, foreign keys).

3.Test basic CRUD (Create, Read, Update, Delete) operations.

4. Test business logic implemented in the database.

5. Measure database response times for common operations.

6.Test scalability by increasing user load or data volume.

7.Validate user authentication and authorization mechanisms.

8.Ensure sensitive data is properly encrypted and protected.

9. Verify compliance with security standards (e.g., GDPR, HIPAA).

10.Test database behavior under concurrent user access.

11.Check for data consistency and locking issues.

12.Verify transactions are handled correctly.

13. Check that sensitive data like passwords and credit card numbers are encrypted and not stored as plain text in Database. It is good practice to ensure all accounts have passwords that are complex and not easily guessed.

14.Whether the data has been rolled backed successfully if the transaction has not been executed successfully by the end-user?