A CRM APPLICATION FOR BANQUET HALL BOOKING

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Maximum marks	

Chapter – 7

Functional and Performance Testing

7.1 Performance Testing (Trigger Testing)

🧪 **Functional Testing**

Ensures the system behaves as expected based on requirements.

- **Unit Testing:** Tests individual components like booking form, availability checker, or service selector.

- **Integration Testing:** Verifies that modules (e.g., booking + payment + notification) work together smoothly.

- **System Testing:** Validates the complete system workflow from login to booking confirmation.

- **User Acceptance Testing (UAT):** Confirms the system meets business needs and is ready for deployment.

🔍 **Non-Functional Testing**

Evaluates system attributes beyond functionality.

- **Performance Testing**: Checks how the system handles load—e.g., multiple users booking simultaneously.

- **Security Testing**: Ensures data protection, role-based access, and safe payment processing.

- **Usability Testing**: Assesses how intuitive and user-friendly the portal and admin dashboard are.

- **Compatibility Testing**: Verifies the system works across browsers, devices, and screen sizes.

- **Reliability Testing**: Confirms the system performs consistently over time without crashing.

⚙️ Automation vs Manual Testing

Type	Description
Manual Testing	Testers execute test cases manually—ideal for exploratory and UAT testing
Automated Testing	Uses tools/scripts to run repetitive tests—great for regression and performance

🧠 Salesforce-Specific Testing Tools

- **Apex Test Classes**: For unit testing custom logic written in Apex.

- **Salesforce Flow Debugger**: To test and troubleshoot automation flows.

- **Lightning Testing Service (LTS)**: For JavaScript component testing.

- **Sandbox Testing**: Safe environment to test without affecting live data.