Test Strategy Outline for Mentoring Feature
Author : Marholop S.

Introduction
This document outlines the test strategy for the **Mentoring Feature** at Dealls. This document is intended as a challenge given to prospective employees as a case study.

Objective
Ensure the mentoring feature meets functional requirements, non-functional standards (performance, security, UX), and compatibility across environments and devices.

Scope
1. Mentor / Mentee registration and login.
2. Search and filter Mentor.
3. Session scheduling and notifications.

Types of Testing

Testing Type	Description	Tools
Functional Testing	Validate user workflows	Cypress
UI/UX Testing	Check responsiveness, navigation, and accessbility	Cypress
Performance Testing	Measure response times under load	JMeter
Security Testing	Test encryption, role-based access, and SQL injection prevention.	
Compatibility Testing	Validate cross-browser and device behaviour	Browserstack

Test Environment
- Development: early integration testing with mock APIs.
- Staging: pre-production testing with dummy data.
- Production: final release environment.

Key Assumptions
1. Dummy data (mentors, schedules) is available in staging.
2. User role (mentor/ mentee) available.

High-Level Scenario Test

1. Registration
--Valid Email and Password
--Invalid Email Format

2. Login
--Login with valid credentials
--Login with invalid password
--Login with unverified account

3. Mentor Search
--Search mentor with specific keyword
--Filter and sorting mentor

4. Session Scheduling
--Make schedule with mentor
--Make schedule with unavailable mentor