
🚀 **Project Development Phase & Model Performance Test**

Project Name: *Flight Finder: Navigating Your Air Travel Options*
Date: *27 June 2025*
Team ID: *LTVIP2025TMID49881*
Maximum Marks: *(to be assigned)*

✅ 1 Project Development Phases

Phase	**Description**	
Deliverables		

Phase 1: Planning & Analysis Identify user needs, define requirements (functional & non-functional), create initial backlog Requirement document, backlog list		
Phase 2: Design Create UI/UX wireframes, define architecture & technology stack Wireframes, architecture diagram		
Phase 3: Development Implement frontend & backend, integrate APIs for flights & payments Working web/mobile prototype		
Phase 4: Testing Perform unit, integration & performance testing Test cases, bug reports		
Phase 5: Deployment Host solution on cloud & make it accessible to users Live platform URL		
Phase 6: Maintenance & Updates Monitor performance, fix bugs, improve features Updated versions & change logs		

✅ 2 Model Performance Test

Test Type	**Description**	**Expected Result**	
-----	-----	-----	
Load Testing Check system response under high traffic load Should handle 1000+ concurrent users			
Response Time Test Measure API response speed for flight search < 3 seconds per search			

Scalability Test	Ensure the system scales with increasing users	Auto-scale without downtime
Security Test	Validate secure login & payment encryption	No data leaks or unauthorized access
Usability Test	Test UI/UX on different devices & browsers	Seamless user experience
Integration Test	Check airline API & payment gateway reliability	Consistent data sync & secure payments

3 Performance Metrics

* **Average Response Time:** < 3 seconds for flight searches
* **System Uptime:** 99.9% availability
* **API Success Rate:** > 98% successful responses
* **User Satisfaction (UI/UX):** > 90% positive feedback
* **Security Compliance:** 100% data encryption & protection
