Agent SDK2.0 Testing Plan

Author: Hangfei Lin   Ethan Bao

Testing Strategy

We are taking a phased approach. For the first phase, we are focusing on blackbox integration testing that hits the real Gemini endpoint. We will evaluate tool trajectory and final response coherence.

Testing Plan

Integration Tests

Current Testing Plan

The following tests are launch blockers.

Test Scenario	Details	Proposal Testing Setup	POC	Status
Single-agent	Test a single agent setup with a few tools	A roll-die agent with roll_die() and check_prime() function.		
Test for all flows	Test SingleFlow, SequentialFlow, AutoFlow			
Test for all flow combinations	Test an agent that combines multiple different flows			
Test for all context operations				
Test call backs				

Test for artifacts				
event streaming (yields)				
function calling • parallel • async				
Tools • 1p tools(P0) • 3p tools(P2)			Ke Chang	
examplestore				
Session and Events			Shangjie Chen	
NL planner				

Future Testing Plan

Test Scenario	Details	Proposal Testing Setup	POC	Status
TBD				
Stremalit UI testing				
CLI tool testing				