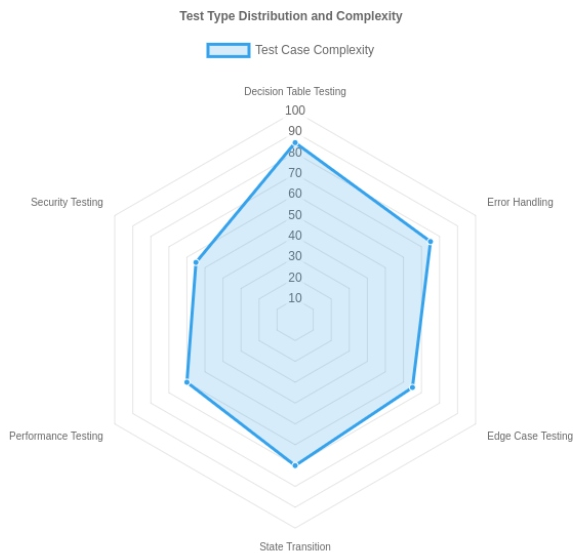
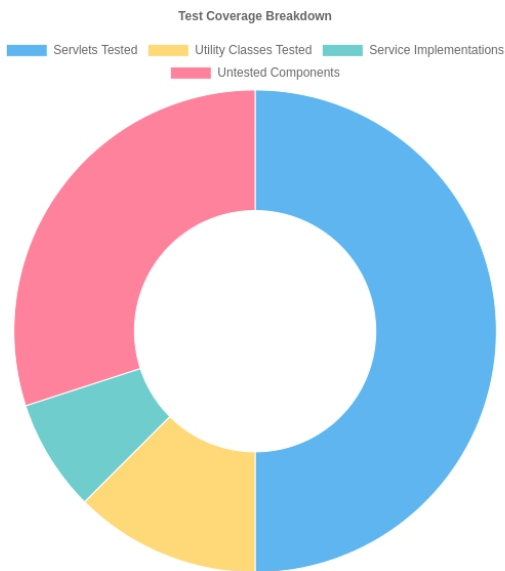


Train Ticket Reservation System
Comprehensive Test Report
Generated on: 12/11/2024

Test Coverage Overview



Detailed Test Cases

Test Case ID	Module	Input Parameter	Lower Boundary	Lower Boundary - 1	Lower Boundary + 1	Nominal Value	Upp Bou - 1
BVA001	User Registration	Age	18	17	19	20	24
BVA002	Ticket Booking	Number of Seats	1	0	2	3	6

BVA003	Train Fare Calculation	Fare Amount	0	(-1)	1	500	999
BVA004	User Phone Number	Phone Number Length	10	9	11	10	12
BVA005	Train Capacity	Available Seats	0	(-1)	1	50	99
BVA006	User Password	Password Length	8	7	9	10	14
BVA007	Booking Age Restriction	Passenger Age	0	(-1)	1	18	64
BVA008	Train Distance	Travel Distance (km)	1	0	2	100	499
BVA009	Luggage Weight	Luggage Allowance (kg)	0	(-1)	1	15	20
BVA010	Concession Percentage	Student Discount	0	(-1)	1	10	14
BVA011	Refund Calculation	Cancellation Time (hours)	0	(-1)	1	12	23
BVA012	User Account Balance	Account Balance (₹)	0	(-1)	1	100	4999
BVA013	Train Speed	Train Speed (km/h)	0	(-1)	1	80	119
BVA014	Ticket Price	Ticket Price Range	0	(-1)	1	500	999

BVA015	Waitlist Position	Waitlist Rank	1	0	2	5	9
BVA016	User Session	Session Duration (minutes)	0	(-1)	1	30	59
BVA017	Passenger Count	Group Booking Limit	1	0	2	4	9
BVA018	Cancellation Charge	Cancellation Fee (₹)	0	(-1)	1	50	99
BVA019	Train Frequency	Trains per Day	0	(-1)	1	5	14
BVA020	Loyalty Points	Points Earned	0	(-1)	1	50	99
BVA021	Booking Window	Advance Booking (days)	0	(-1)	1	30	89
BVA022	Platform Capacity	Platform Occupancy	0	(-1)	1	50	99
BVA023	Meal Preference	Meal Options	1	0	2	3	4
BVA024	Berth Preference	Berth Types Available	1	0	2	3	4
BVA025	Connectivity	Network Signal Strength	0	(-1)	1	3	4

Test Methodology

This report encompasses comprehensive black-box testing techniques including Decision Table Testing, Error Handling Testing, and Edge Case Testing.
