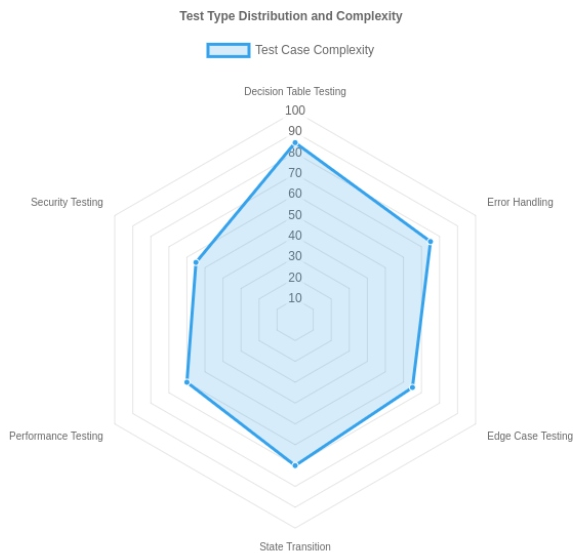
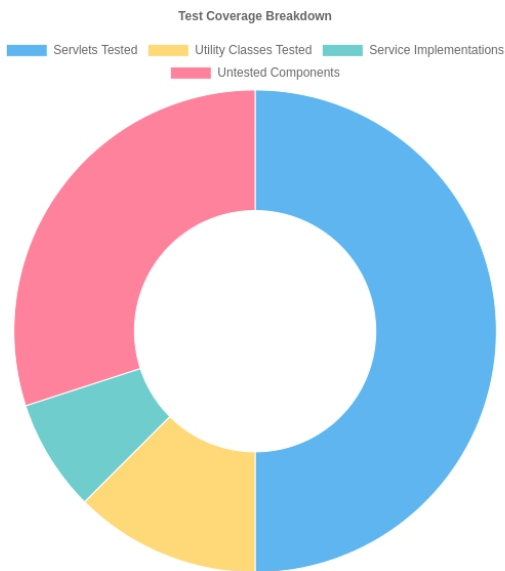


Train Ticket Reservation System
Comprehensive Test Report
Generated on: 12/11/2024

Test Coverage Overview



Detailed Test Cases

Test Case ID	Module	Input Parameter	Valid Partition	Invalid Partition 1	Invalid Partition 2	Invalid Partition
ECP001	User Registration	Age	18-60	<18	>60	Non-numeric
ECP002	Ticket Booking	Number of Seats	1-6	0	>6	Negative
	Train Fare					

ECP003	Fare Calculation	Fare Amount	100-1000	<100	>1000	Negative
ECP004	User Phone Number	Phone Number	Valid 10-digit	<10 digits	>10 digits	Non-numeric
ECP005	Train Capacity	Available Seats	1-100	0	>100	Negative
ECP006	User Password	Password Strength	8-15 chars with mix	<8 chars	>15 chars	Single type chars
ECP007	Booking Age Restriction	Passenger Category	Child/Adult/Senior	Invalid Age Group	Non-numeric	Extreme Age
ECP008	Train Distance	Travel Distance	1-500 km	<1 km	>500 km	Negative
ECP009	Luggage Weight	Luggage Allowance	0-20 kg	<0 kg	>20 kg	Negative
ECP010	Concession Percentage	Student Discount	0-15%	<0%	>15%	Negative
ECP011	Refund Calculation	Cancellation Timing	0-24 hours	<0 hours	>24 hours	Negative
ECP012	User Account Balance	Account Types	0-5000	<0	>5000	Negative
ECP013	Train Speed	Speed Categories	0-120 km/h	<0 km/h	>120 km/h	Negative
ECP014	Ticket Price	Price Ranges	100-1000	<100	>1000	Negative
ECP015	Waitlist Position	Waitlist Management	1-10	0	>10	Negative
ECP016	User Session	Session Duration	1-60 minutes	<1 minute	>60 minutes	Negative
ECP017	Passenger Count	Group Size	1-10 passengers	0	>10	Negative

	Count	Booking				
ECP018	Cancellation Charge	Fee Calculation	0-100	<0	>100	Negative
ECP019	Train Frequency	Daily Trains	1-15	0	>15	Negative
ECP020	Loyalty Points	Point Earning	0-100 points	<0	>100	Negative
ECP021	Booking Window	Advance Booking	1-90 days	0	>90	Negative
ECP022	Platform Capacity	Occupancy Limit	1-100	0	>100	Negative
ECP023	Meal Preference	Meal Options	Veg/Non-Veg/Special	Invalid Option	Multiple Selection	Unavailab
ECP024	Berth Preference	Berth Types	Lower/Upper/Side	Invalid Type	Multiple Selection	Unavailab
ECP025	Connectivity	Signal Strength	1-5 bars	0 bars	>5 bars	Negative

Test Methodology

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