BLACK BOX TESTING

22i-0760 Talha Ahmad

22i-0873 Ibrahim Shahid

22i-1180 Omer Mustafa

Equivalence Class Partitioning

Test Case ID	Description	Input	Expected Result
TC-BB-001	Valid Login	Valid email and password	Login successful
TC-BB-002	Invalid Login	Invalid email/password	Login fails with error message
TC-BB-003	Valid Item Report	Valid item details	Item reported successfully
TC-BB-004	Invalid Item Report	Missing required fields	Validation errors displayed
TC-BB-005	Claim Item	Valid item ID	Claim request sent
TC-BB-006	Claim Own Item	Own item ID	Claim not allowed
TC-BB-007	Search Items	Valid search term	Relevant items displayed
TC-BB-008	Filter Items	Valid category	Items filtered by category

Boundary Value Analysis

Test Case ID	Description	Input	Expected Result
TC-BB-009	Minimum Item Name Length	1 character	Item reported successfully
TC-BB-010	Maximum Item Name Length	100 characters	Item reported successfully
TC-BB-011	Exceed Maximum Item Name Length	101 characters	Validation error displayed

Functional Test Cases

Test Case ID	Description	Steps	Expected Result
TC-BB-012	Signup with Valid Details	Enter valid details and submit	Signup successful
TC-BB-013	Signup with Existing Email	Use existing email	Error message displayed
TC-BB-014	Edit Item	Edit item details and save	Item updated successfully
TC-BB-015	Delete Item	Delete item	Item removed from system