



SecuroGuard

E-Commerce Fake Review Detection Application

Software Test Report

Submitted by

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Software Test Plan and Test Cases

Project Title: SecuroGuard (E-Commerce Fake Review Detection Application)

Date: 3/July/2025

Version: 1.0

Test Plan:

The following table presents the detailed test plan , including the test schedule for each functional component of SecuroGuard platform.

S.No	Description	Tested by	Start date	End Date
1	Login & Sign Up	Faarah Khan	01-Jul-2025	01-Jul-2025
2	Home Page + URL Analysis	Faarah Khan	01-Jul-2025	01-Jul-2025
3	Ai Model Integration & Result Page	Hafsa Nisar	02-Jul-2025	02-Jul-2025
4	Download Report	Hafsa Nisar	02-Jul-2025	02-Jul-2025
5	Recent Searches / History Module	Faarah Khan	03-Jul-2025	03-Jul-2025
6	Navigation Bar	Faarah Khan	03-Jul-2025	03-Jul-2025
7	Security Validation	Hafsa Nisar	03-Jul-2025	03-Jul-2025
8	Input Validation & Error Handling	Hafsa Nisar	04-Jul-2025	04-Jul-2025
9	Confidence Score & Chart Accuracy	Faarah Khan	04-Jul-2025	04-Jul-2025
10	User Specific History	Faarah Khan	04-Jul-2025	04-Jul-2025

Test Case 1

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Login & Sign Up

Date: 01-Jul-2025

Test Case Id: TC_001

Test Engineer: Faarah Khan

Test Case Description: Testing login , registration , and session handling.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open Login Page		Login page displays correctly	Login page loaded	Pass
2	Enter email & Password	Valid credentials	Redirects to homepage	Redirected Successfully	Pass
3	Open Sign up Page		Sign up form displays	Sign up form loaded	Pass
4	Register New User	Valid name , email , password	Account created & redirected	Account created	Pass
5	Logout User		Session ends & redirects to login page	Logout Successful	Pass

Test Case 2

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Home Page & URL Analysis

Date: 01-Jul-2025

Test Case Id: TC_002

Test Engineer: Faarah Khan

S. No	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Open Home Page	-	Home page loads with input field	Home Page loaded	Pass
2	Enter Product URL	Valid URL	URL accepted for analysis	URL accepted	Pass
3	Click Analyze	-	AI model triggered	Analysis initiated	Pass
4	Enter Invalid URL	Invalid / blank	Error message displayed	Error shown	Pass

Test Case 3

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: AI Model Integration & Result Page

Date: 02-Jul-2025

Test Case Id: TC_003

Test Engineer: Hafsa Nisar

Test Case Description: Verifying results returned from AI and displayed correctly.

S.No	Steps	Input Data	Expected Data	Actual Data	Pass / Fail
1	Fetch reviews for URL	Valid URL	Reviews fetched	Reviews fetched	Pass
2	Run AI Model on reviews	Reviews Dataset	Fake/Genuine labels with confidence scores returned	Reviews returned	Pass
3	View analysis results page		Charts, counts and stats displayed	Data shown correctly	Pass

Test Case 4

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Download Report

Date: 02-Jul-2025

Test Case Id: TC_004

Test Engineer: Hafsa Nisar

Test Case Description: Validating downloadable report functionality.

<u>S.No</u>	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Click download pdf	-	PDF File generated and downloaded	PDF downloaded	Pass
2	Click download CSV	-	CSV File generated and downloaded	CSV downloaded	Pass
3	Open downloaded file	-	Content matches displayed result	Content accurate	Pass

Test Case 5

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Recent Searches / History Module

Date: 03-Jul-2025

Test Case Id: TC_005

Test Engineer: Faarah Khan

Test Case Description: Ensuring recent searches are logged and accessible.

S. No	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Analyze a product URL	Valid URL	Entry saved in users recent search history	Entry Saved	Pass
2	Open Home Page	-	5 most recent URLs displayed	History Visible	Pass
3	Click old analysis URL	-	Previous result page loads again	Result loaded	Pass

Test Case 6

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Navigation Bar & Static Pages

Date: 03-Jul-2025

Test Case Id: TC_006

Test Engineer: Faarah Khan

Test Case Description: Testing navbar and About/Contact Navigation.

S. No	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Click “Home” Link		Redirects to Homepage	Home loaded	Pass
2	Click “About” link		About page opens	About page displayed	Pass
3	Click “Contact” Link		Contact page opens	Contact page visible	Pass

Test Case 7

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Security & Session Validation

Date: 03-Jul-2025

Test Case Id: TC_007

Test Engineer: Hafsa Nisar

Test Case Description: Verifying secure session handling and restricted access.

S. No	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Try accessing result page	Not logged in	Redirected to login page	Redirected	Pass
2	View another users search	Logged in	Access denied to others data	Restricted Successfully	Pass
3	Log out	-	Session destroyed	Session ended	Pass

Test Case 8

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Input Validation & Error Handling

Date: 04-Jul-2025

Test Case Id: TC_008

Test Engineer: Hafsa Nisar

Test Case Description: Ensure that invalid or empty inputs are properly handled.

S. No	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Submit without URL	Blank field	Error Shown: "Please enter a product URL"	Validation error displayed	Pass
2	Submit malformed URL	"amazon..com/product/123"	Access denied to others data	Message Invalid URL Format	Pass
3	Enter unsupported domain	"randomsite.com/item"	Session destroyed	Message: "Unsupported domain"	Pass

Test Case 9

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: Confidence Score & Chart Accuracy

Date: 04-Jul-2025

Test Case Id: TC_009

Test Engineer: Faarah Khan

Test Case Description: Verify that confidence scores are accurate and visualizations render correctly.

S. No	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Analyze a review	Valid Product URL	Confidence Scores generated	Score shown (eg 86%)	Pass
2	View pie chart		% split of fake vs real reviews	Chart displayed correctly	Pass
3	Compare chart with data	Model labs and counts	Chart matches AI output	Chart accurate	Pass

Test Case 10

Project Name: SecuroGuard (E-Commerce Fake Review Detection Application)

Module Name: User-Specific History access

Date: 04-Jul-2025

Test Case Id: TC_010

Test Engineer: Faarah Khan

Test Case Description: Ensures that users only can see their own analysis history.

S. No	Steps	Input Data	Expected Result	Actual Result	Pass / Fail
1	Login as User A	User A Credentials	Users A 5 recent URL shown	Correct Data Shown	Pass
2	Try accessing the user B history	Access from User A	Access denied	History Hidden	Pass
3	Analyze new URL	Valid Product URL	History updated for that user	Entry added to list	Pass