Software Test Plan

S.No	Description	Test Engineer	Start Date - End Date
1	User Registration/Login	Ali Sher	10-Jul-2025 - 10-Jul-2025
2	Camera Access	Ali Sher	11-Jul-2025 - 11-Jul-2025
3	Image Encryption	Ali Sher	12-Jul-2025 - 12-Jul-2025
4	Image Decryption	Ali Sher	13-Jul-2025 - 13-Jul-2025
5	Secure Image Storage	Ali Sher	14-Jul-2025 - 14-Jul-2025

Test Case # TC-AUTH-01

Project Name: CryptoCamGuard: Elevating Image Security App   Iteration No: 1.0

Module Name: User Registration/Login   Date: 10-Jul-2025

Test Case ID: TC-AUTH-01   Test Engineer: Ali Sher

Test Case Description: Verify login functionality with valid/invalid credentials.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Enter Email	alisardar@gmail.com	Field accepts input	Input accepted	Pass
2	Enter Password	Secure123	Field accepts input	Input accepted	Pass
3	Click Login (Valid)	-	Redirect to Dashboard	Redirected	Pass
4	Click Login (Invalid)	user@cryptocam.com	Error: Invalid Credentials	Error displayed	Pass

Test Case # TC-CAM-02

Project Name: CryptoCamGuard: Elevating Image Security App   Iteration No: 1.0

Module Name: Camera Access   Date: 11-Jul-2025

Test Case ID: TC-CAM-02   Test Engineer: Ali Sher

Test Case Description: Verify camera access permissions.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open Camera	-	Prompt for permission	Prompt shown	Pass
2	Allow Access	Allow	Camera preview appears	Preview visible	Pass
3	Deny Access	Deny	Show denied message	Access denied	Pass

Test Case # TC-ENC-03

Project Name: CryptoCamGuard: Elevating Image Security App   Iteration No: 1.0

Module Name: Image Encryption   Date: 12-Jul-2025

Test Case ID: TC-ENC-03   Test Engineer: Ali Sher

Test Case Description: Verify image is encrypted successfully.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Select Image	test.jpg	Image loaded	Image loaded	Pass
2	Click Encrypt	Key123	Encrypted image displayed	Encrypted	Pass

Test Case # TC-DEC-04

Project Name: CryptoCamGuard: Elevating Image Security App   Iteration No: 1.0

Module Name: Image Decryption   Date: 13-Jul-2025

Test Case ID: TC-DEC-04   Test Engineer: Ali Sher

Test Case Description: Verify image decryption with correct and wrong keys.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Select Encrypted Image	encrypted.jpg	Image loaded	Loaded	Pass
2	Enter Correct Key	Key123	Decrypted image shown	Image shown	Pass
3	Enter Wrong Key	WrongKey	Error shown	Decryption error	Pass

Test Case # TC-STOR-05

Project Name: CryptoCamGuard: Elevating Image Security App   Iteration No: 1.0

Module Name: Secure Image Storage   Date: 14-Jul-2025

Test Case ID: TC-STOR-05   Test Engineer: Ali Sher

Test Case Description: Validate encrypted image is stored securely.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Encrypt and Save	test.jpg	Saved in secure directory	Saved securely	Pass
2	Try External Access	-	Access denied	Not accessible	Pass