



Dhirubhai Ambani
University
Technology

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Group 32 Advoc AI

Black Box Testing Report

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What is the Project about ?

Our website is an AI-driven platform designed to help users create, analyze, and manage legal documents without requiring legal expertise. Users can generate new legal documents through guided prompts, or upload their own contracts to receive automated clause extraction, risk detection, and simplified summaries in plain English. A smart legal chatbot assists users by answering questions, providing legal definitions.

The platform also supports secure collaboration, enabling multiple parties to review, comment, and track document versions with rollback options. For situations requiring expert review, users can seamlessly connect with verified lawyers. Additionally, the system offers e-signature capabilities and encrypted storage for all user documents.

Black box Testing

Black Box Testing is a method of testing where functionality is checked using inputs and outputs without seeing the internal code. It is used in system testing because system testing focuses on verifying the complete system's behavior based on requirements, and testers do not need knowledge of the internal logic. Black box techniques such as **Equivalence Partitioning (EP)** and **Boundary Value Analysis (BVA)** help create efficient test cases. EP divides input data into valid and invalid partitions so only one value from each group needs testing. BVA tests the boundary values and the values just below and above them, since most errors occur at limits.

Test Module : Sign Up as a Client

1) Name Field :

TC ID	Test Description	Test Input	Expected Result
TC 1	Enter valid name	Kalp Shah	Accepted
TC 2	Name with numbers	12345	Invalid Name
TC 3	Name with symbols	@#\$#@	Invalid Name
TC 4	Name left blank	(blank)	Please fill in this field

2) UserName Field :

TC ID	Test Description	Test Input	Expected Result
TC 5	Enter valid name	Kalp Shah	Accepted
TC 6	Name with numbers	12345	Invalid Name
TC 7	Name with symbols	@#\$#@	Invalid Name

TC 8	Name left blank	(blank)	Please fill this field
TC 9	Already registered username	Kalp Shah	Sign up should be successful

3) Password Field :

TC ID	Test Description	Test Input	Expected Result
TC 10	Valid strong password	Kalpshah@5	Accepted
TC 11	Less than 8 characters	kalp	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 12	Missing uppercase character	kalp	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 13	Missing lowercase letter	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 14	Missing number	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 15	Missing special character	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character

TC 16	Password left blank	()	Please fill in this field
TC 17	Confirm password and password don't match	Kalpshah@5 KalpShah@5	Passwords do not match
TC 18	Confirm password and password match	Kalpshah@5 Kalpshah@5	Accepted
TC 19	Confirm password left blank	()	Please fill in this field

4) Email Field :

TC ID	Test Description	Test Input	Expected Result
TC 20	Valid email	kalp1234@gmail.com	Accepted
TC 21	Missing @	kalp123gmail.com	Please include an '@' in the email address, 'kalp123gmail.com' is missing an '@'
TC 22	Missing domain	kalp@	Please enter a part following '@', kalp@ is incomplete
TC 23	Missing username	@gmail.com	Please enter a part following '@', @gmail is incomplete
TC 24	Extra spaces	" kalp123@gmail.com "	Please enter a valid username without any spaces
TC 25	Email left blank	()	Please fill in this field
TC 26	Already	kalp123@gmail.c	An account with

	registered email	om	this email already exists. Please use a different email or try logging in.
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5) Phone Number Field :

TC ID	Test Description	Test Input	Expected Result
TC 27	Valid Indian Number	9876543219	Accepted
TC 28	Contains alphabet	98we232323	Error: Invalid Number
TC 29	Blank	()	Accepted

2) Test Module : Sign Up as a Lawyer

1) Name Field:

TC ID	Test Description	Test Input	Expected Result
TC 1	Enter valid name	Shubham Varmora	Accepted
TC 2	Name with numbers	54321	Invalid Name
TC 3	Name with symbols	@#\$%^	Invalid Name
TC 4	Name left blank	(blank)	Please fill in this field

2) UserName Field :

TC ID	Test Description	Test Input	Expected Result
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TC 5	Enter valid name	Lawyer12	Accepted
TC 6	Name with numbers	45672	Invalid Name
TC 7	Name with symbols	* & ^ % \$	Invalid Name
TC 8	Name left blank	()	Please fill this field
TC 9	Already registered username	Shubham	Sign up should be successful

3) Password Field :

TC ID	Test Description	Test Input	Expected Result
TC 10	Valid strong password	Shubham#1	Accepted
TC 11	Less than 8 characters	shubh	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 12	Missing uppercase character	shubham#1	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 13	Missing lowercase letter	SHUBHAM#1	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 14	Missing number	Shubham#	Password must contain at least 8 characters, one uppercase letter, one number, one special character

TC 15	Missing special character	Shubham2	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 16	Password left blank	()	Please fill in this field
TC 17	Confirm password and password don't match	Shubham@5 shubham@5	Passwords do not match
TC 18	Confirm password and password match	Shubham@5 Shubham@5	Accepted
TC 19	Confirm password left blank	()	Please fill in this field

4) Email Field :

TC ID	Test Description	Test Input	Expected Result
TC 20	Valid email	shubham@gmail.com	Accepted
TC 21	Missing @	<u>kalp123gmail.com</u>	Please include an '@' in the email address, '<u>kalp123gmail.com</u>' is missing an '@'
TC 22	Missing domain	kalp@	Please enter a part following '@', kalp@ is incomplete
TC 23	Missing username	@gmail.com	Please enter a part following '@', @gmail is incomplete
TC 24	Extra spaces	“ shubham@gmail.c	Please enter a valid username

		om ”	without any spaces
TC 25	Email left blank	()	Please fill in this field
TC 26	Already registered email	shubham@gmail.com	An account with this email already exists. Please use a different email or try logging in.

5) Phone Number Field :

TC ID	Test Description	Test Input	Expected Result
TC 27	Valid Indian Number	9876543219	Accepted
TC 28	Contatins alphabet	abc	Error: Invalid Number
TC 29	Blank	()	Accepted

6) License Number:

TC ID	Test Description	Test Input	Expected Result
TC 30	Enter valid license number	ABC12345	Accepted
TC 31	Enter only digits if allowed	9876543	Accepted
TC 32	Enter special characters	@@@#\$\$%	Error: “Invalid license number format”
TC 33	Field left blank	(empty)	Error: “License number is required”
TC 34	Too short/long input	<3 or >20 chars	Error: length invalid

7) Bar Council ID:

TC ID	Test Description	Test Input	Expected Result
TC 35	Valid Bar Council ID	GJ-2023-5678	Accepted
TC 36	Invalid characters	@##@#	Error: Invalid characters
TC 37	empty	()	Error: Bar Council ID required

8) Education:

TC ID	Test Description	Test Input	Expected Result
TC 38	String	LLB	Accepted
TC 39	Numbers	233	Error: Invalid Input
TC 40	Character and numbers	LL23	Error: Invalid Input
TC 41	Empty	()	Accepted

9) Lawfirm:

TC ID	Test Description	Test Input	Expected Result
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TC 42	String	LawAi	Accepted
TC 43	Numericals	233	Error: Invalid Input
TC 44	Special Characters	@#\$\$%^	Error: Invalid Input
TC 45	Empty	()	Accepted

10) Consultancy fees:

TC ID	Test Description	Test Input	Expected Result
TC 46	Valid Fee	1500/Hour	Accepted
TC 47	Numerical	1500	Accepted
TC 48	Special Characters	@#\$\$%^	Error: Invalid Input
TC 49	Numerical	-199	Error: Invalid Input

Submit Button: Overall Validation

TC ID	Test Description	Expected Result
TC 50	All required fields filled.	Profile submitted for verification
TC 51	Any required field is missing	Error shown below in respective field
TC 52	Multiple clicks	Profile is submitted only once.

3) Test Module : Verify Otp

1) Otp Field :

TC ID	Test Description	Test Input	Expected Result
TC 1	Valid 6-digit otp	345211	Account verified
TC 2	Contains alphabet	abc	Doesn't store that input
TC 3	Blank	()	Disables the verification field
TC 4	Otp < 6 numbers	123	Doesn't store input
TC 5	Otp > 6 numbers	123456(7777)	Doesn't store the rest of the digit.
TC 6	Wrong otp of six digits	123456	Invalid or expired OTP. Please request a new one
TC 7	Resend OTP	-	New otp at same id is sent successfully
TC 8	Enter otp after 3 minutes	-	Invalid or Expired OTP

4) Google Auth :

TC ID	Test Description	Test Input	Expected Result
TC 9	Valid Google account is sent	Google Token	Google authentication successful
TC 10	Valid registered google account	Google Token	This account already exists

5) Forgot Password (enter email) :

TC ID	Test Description	Test Input	Expected Result
TC 11	Valid unverified email	kalp1234@gmail.com	User with this email doesn't exist
TC 12	Valid verified email entered	kalps5282@gmail.com	Accepted, directed to reset password change
TC 13	Missing domain	kalp@	Please enter a part following '@', kalp@ is incomplete
TC 14	Missing username	@gmail.com	Please enter a part following '@', @gmail is incomplete
TC 15	Extra spaces	" kalp123@gmail.com "	Please enter a valid username without any spaces
TC 16	Email left blank	()	Please fill in this field

6) Reset Password :

TC ID	Test Description	Test Input	Expected Result
TC 17	Invalid Otp	123456	Invalid or expired OTP
TC 18	Otp left blank	()	Please fill in this field
TC 19	Enter Otp after 3 minutes	123456	Invalid or expired OTP
TC 20	Valid Otp and password and confirm password are same	110162 Kalpshah@5 Kalpshah@5	Password reset successfully. Please login with your new id.

TC 21	Less than 8 characters	kalp	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 22	Missing uppercase character	kalp	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 23	Missing lowercase letter	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 24	Missing number	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 25	Missing special character	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 26	Password left blank	()	Please fill in this field
TC 27	Confirm password and password don't match	Kalpshah@5 KalpShah@5	Passwords do not match
TC 28	Confirm password left blank	()	Please fill in this field

4) Test Module : Login Page

1) Email Field :

TC ID	Test Description	Test Input	Expected Result
TC 1	Valid email	kalp1234@gmail.com	The user should be logged in
TC 2	Missing @	kalp123gmail.com	Please include an '@' in the email address, 'kalp123gmail.com' is missing an '@'
TC 3	Missing domain	kalp@	Please enter a part following '@', kalp@ is incomplete
TC 4	Missing username	@gmail.com	Please enter a part following '@', @gmail is incomplete
TC 5	Extra spaces	" kalp123@gmail.com "	Please enter a valid username without any spaces
TC 6	Email left blank	()	Please fill in this field
TC 7	Already registered email	kalp123@gmail.com	An account with this email already exists. Please use a different email or try logging in.

2) Password Field :

TC ID	Test Description	Test Input	Expected Result
TC 10	Valid strong password	Kalpshah@5	Accepted

TC 11	Less than 8 characters	kalp	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 12	Missing uppercase character	kalp	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 13	Missing lowercase letter	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 14	Missing number	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 15	Missing special character	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 16	Password left blank	()	Please fill in this field
TC 17	Confirm password and password don't match	Kalpshah@5 KalpShah@5	Passwords do not match
TC 18	Confirm password and password match	Kalpshah@5 Kalpshah@5	Accepted
TC 19	Confirm password left blank	()	Please fill in this field

5) Test Module : Document Analyzer

1)Upload Document :

TC ID	Test Description	Test Input	Expected Result
TC 1	Unregistered User visits the page	Visit document analyser	Redirects to login page
TC 2	Upload valid pdf file	test.pdf	Uploaded successfully
TC 3	Upload valid text file	test.txt	Uploaded successfully
TC 4	Upload valid docx file	test.docx	Uploaded successfully
TC 5	Upload any other format file	test.png,test.jpg,etc	Doesn't let you upload from the folder
TC 6	File with size greater than 10mb	bigfile.pdf	Please upload a file under 10mb
TC 7	History of uploaded file	Recent file	Opens Summary Page

2) Summary and Q&A :

TC ID	Test Description	Test Input	Expected Result
TC 8	Expand Preview	Clicked on expand	Returned required result
TC 9	Copy analysis	Clicked on copy analysis	Copied the given summary in the

			clipboard
TC 10	Blank text in ask questions	()	Send option is not available
TC 11	Entered a text without context of the document	123	I'm sorry, but "123" is not a question I can answer based on the provided document. Please ask a question related to the content of the Graph Theory document.
TC 12	Entered the valid question but out of context with the document	What is the capital of America?	I'm sorry, but the document provided is about Graph Theory and does not contain information about the capital of America.
TC 13	Entered a valid string with correct context	What is the rent and lease and what is the difference between it?	Returned the correct result, explaining with correct information.

6) Test Module : Document Generator

1) Document Input Title and Description

TC ID	Test Description	Test Input	Expected Result
TC 1	Empty title	()	Please provide a valid title for this document.
TC 2	Valid String in document title	Rental Agreement	Accepted

TC 3	Empty description	()	Send option not available
TC 4	Valid string description without context of the title	Random text	Asks the type of document and purpose of the document to be specified in the generated text.
TC 5	Valid document type entered with valid title	Generate a rental agreement between me and the apartment owner	Accepted, required document generated

2) Document editor and chat History :

TC ID	Test Description	Test Input	Expected Result
TC 6	Edit check	Edit option	Opens mark up editor of the document
TC 7	Text style options check	Style option	Change the text as required.
TC 8	Empty text in chat history	()	Send option not available.
TC 9	Valid string but out of context	What is the capital of India?	Asks for valid information related to the document.
TC 10	Valid string in context with the document	Which date to use in the document?	Gives valid answer.
TC 11	Download edited document	Download option	Download the document in pdf formate

TC 12	Expand the document	Full screen option	Changes the screen as required
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3) Add Signature :

TC ID	Test Description	Test Input	Expected Result
TC 13	Party's Name as empty string	()	Upload signature feature is disabled
TC 14	Valid string as party's name		Change the text as required.
TC 15	Uploaded as png	test.png	Uploaded successfully
TC 16	Uploaded file as jpeg	test.jpeg	Uploaded successfully
TC 17	Uploaded file as webp	test.webp	Uploaded successfully
TC 18	Uploaded any other file format	Test.pdf, test.txt	No valid format in upload folder
TC 19	Uploaded file size greater than 10mb	bigtest.png	Please upload a file under 10mb.

4) Share Document:

TC ID	Test Description	Test Input	Expected Result
TC 20	Public link access	Share option	Created link

TC 21	Empty username (in share)	()	Share option disabled
TC 22	Select registered username from list	kalp1234	Document Shared
TC 23	View access	View option	Document shared with kalp1234
TC 24	Edit access	Edit option	Document shared with kalp1234
TC 25	Delete the shared file	Delete option	Access Revoked
TC 26	Invalid doc id	invalid_id	Error in generating link

5) Version :

TC ID	Test Description	Test Input	Expected Result
TC 27	Initial downloaded file	Versions option	Downloaded with version 0, in version history
TC 28	Required information submitted	Name of parties, date of agreement etc	New version created
TC 29	View new version	View option	Shown markup editor of the document
TC 30	Download new version	Download option	Version 2 downloaded
TC 31	Delete version	Delete option	Version 2 deleted

7) Test Module : Collaborative Comments

TC ID	Test Description	Test Input	Expected Result
TC 1	Valid comment posted	"Change the date"	Comment posted successfully
TC 2	Empty comment string	()	Post comment disabled
TC 3	Valid doc id	Valid_id	Document Link created
TC 4	Invalid doc id	invalid_id	Error in generating link
TC 5	Shared with registered user	Shared link with kalp1234	Document shared successfully
TC 6	Valid string in reply	" Date is updated in the file"	Commented posited with current time from that username
TC 7	Empty reply	()	Post comment option disabled
TC 8	No comments on given document	()	Post a new comment

8) Test Module : Lawyer Connect

1) Connect and Lawyer Profile:

TC ID	Test Description	Test Input	Expected Result
TC 9	Unregistered user uses connect	Connect option	Redirected to login page

TC 10	No lawyers available	Connect option	No verified lawyers available.
TC 11	Invalid token	invalid_token	Unable to list the lawyers
TC 12	View profile	View profile option	Shows lawyers profile information
TC 13	Empty message	()	Please fill out all fields
TC 14	Valid string message	Hi, kalp I am willing to connect, please review my document.	Request sent successfully
TC 15	Empty contact information	()	Please fill out all fields
TC 16	Valid contact information (phone number or email)	kalp5321@gmail.com	Request sent successfully
TC 17	Empty time field	()	Send option disabled
TC 18	Valid time selected from calender	11-26-2025 09:30	Request sent successfully
TC 19	New request sent without the previous one being approved	Hi, please review again	You already have pending connection request with the lawyer

2) DashBoard :

TC ID	Test Description	Test Input	Expected Result
TC 20	Verification not approved by admin	Lawyer Dashboard option	Status : pending and no connection requests shown
TC 21	Verification approved by admin	Lawyer Dashboard option	Status : approved and User request are shown
TC 22	Google meet link after lawyer started the link	Meet link option	Joins the give link
TC 23	Google meet link without lawyer started the link	Meet link option	Failed to open the link
TC 24	Accept the request	Accept option of user : parth543	Connection request accepted! You can now chat with parth543
TC 25	Decline request	Decline option of parth543	Connection request Declined
TC 26	Open chat after accepting request	Open chat option	Redirected to chat feature

3) Chat Feature with Lawyer :

TC ID	Test Description	Test Input	Expected Result
TC 27	Request Not accepted by lawyer	Chat option	No active chats
TC 28	Invalid token	invalid_token	Failed to load messages

TC 29	Empty string	()	Disabled send option
TC 30	Valid string	“Hi kalp here, did you review the document?”	Message sent shown and message sent with current time
TC 31	Share document with valid Document_id	rental_agreement	Uploaded successfully
TC 32	Share document with invalid document_id	rental_agreement	Document_id required to send the document.

4) My Documents :

TC ID	Test Description	Test Input	Expected Result
TC 33	Search the document	“ Rental agreement ”	The matching document is displayed
TC 34	Blank space in search bar	empty	All documents are shown
TC 35	Open the document	Open option	The document is opened
TC 36	Download the previous versions	Download option	The document is downloaded
TC 37	Delete document	Delete option	The document is deleted
TC 38	Create new document	Create new document option	Redirected to document generator page
TC 39	Shared Documents	View the shared document	Previously shared

			documents are displayed
TC 40	Share the previous version of documents	Share option	Share option with different fields is prompted

5)Profile :

TC ID	Test Description	Test Input	Expected Result
TC 41	Edited user profile	Edit option	Shows markup editor to change the profile
TC 42	Change cover in correct format	Test.jpeg, test.png	Cover photo changed
TC 43	Change cover in any other format	test.pdf	No option to upload
TC 44	Change display picture in correct format	Test.jpeg,test.png	Display picture changed
TC 45	Change display picture in any other format	test.pdf	No option to upload
TC 46	Valid string in full name change	Kalp1234 -> kalp5678	Profile updated successfully
TC 47	Less than 8 characters in password	kalp	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 48	Missing	kalp	Password must

	uppercase character in password		contain at least 8 characters, one uppercase letter, one number, one special character
TC 49	Missing lowercase letter in password	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 50	Missing number in password	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 51	Missing special character in password	KALP	Password must contain at least 8 characters, one uppercase letter, one number, one special character
TC 52	Password left blank in password	()	Please fill in this field
TC 53	Confirm password and password don't match	Kalpshah@5 KalpShah@5	Passwords do not match
TC 54	Confirm password left blank	()	Please fill in this field