Functional Test Cases

Authentication

	Test Case	Steps	Expected Result
1	Register with already used email	Enter email that is already registered, valid password and confirm password	Error message: Email already in use
2	Login with unregistered email	Enter unregistered email and any password, click "Sign in"	Error message: Invalid credentials / User not found
3	Password length validation	Enter password shorter than required (<8 characters), then click "Sign up"	Error message: Password must be at least 8 characters long
4	Email field left blank	Leave email empty, enter passwords, click "Sign up"	Error message: Email is required
5	Password field left blank	Fill in email, leave password blank, click "Sign up"	Error message: Password is required
6	Access protected page without login	Open user dashboard/profile URL without logging in	Redirected to login page
7	Case sensitivity in login	Register with certain case in email/password, then login with different case	Email may be case-insensitive; password must be case-sensitive
8	Login button disabled until fields are filled	Leave email or password empty	"Sign in" button disabled or warning shown
9	Stay logged in after refresh	Login, refresh browser	User remains logged in and stays on dashboard

Profile Management

Test Case	Steps	Expected Result
10 Invalid input in profile	Leave fields blank or enter special characters	Field-level validation or error messages
11 Remove URL	Click "Remove" next to a URL field	Field is removed from form
12 Save with required fields empty	Delete required info like username or email, click "Save"	Error message: Required field cannot be empty
13 Upload profile picture	Click "Upload", select a valid image file	Image is uploaded, preview appears
14 Upload invalid profile picture	Upload non-image file or too large image	Error message: Invalid file type or size
15 Cancel profile edits	Make changes, then click "Cancel"	Form resets, original info remains
16 Auto-save feature (if applicable)	Change a field and wait without clicking "Save"	Changes saved automatically (if feature exists)
17 Accessibility check	Try navigating profile form using keyboard/tab key only	All fields/buttons are accessible by keyboard

Tasks

Test Case	Steps	Expected Result
18 Task input validation	Enter invalid characters or formats (letters in budget, past deadline)	Field-level validation errors shown
19 Task list pagination	Create many tasks, navigate to next/prev page	Tasks are correctly paginated
20 Task sorting	Click to sort tasks by deadline or budget	Task list updates accordingly

	Test Case	Steps	Expected Result
21	Task filtering/search	Enter keyword or filter by date/status	Only relevant tasks are displayed
22	Attachments to task (if supported)	Upload a file during task creation/edit	File is saved and linked to the task
23	Deadline reminder feature (if supported)	Create task with upcoming deadline, wait or simulate time	Notification or reminder is triggered
24	Task visibility based on roles	Login as different role (e.g., admin/user), view tasks	Only permitted tasks are visible
25	Cancel task creation	Start creating a task, then click "Cancel"	Returned to task list, nothing saved
26	UI responsiveness	Resize window or use mobile view	Task form and list adapt to screen size

Proposals

	Test Case	Steps	Expected Result
27	Duplicate proposal prevention	Try to submit multiple proposals for same task	Error shown or previous proposal is updated
28	Edit proposal before acceptance	Click "Edit" on submitted proposal, update fields	Proposal updates are saved successfully
29	Proposal status updates in real-time	Freelancer refreshes page after client action	Proposal status reflects accepted/rejected/withdrawn
30	Unauthorized proposal actions	Another freelancer tries to withdraw/edit someone else's proposal	Access denied, error message shown
31	View proposal timestamp	Submit a proposal, then check details	Timestamp of submission is visible

	Test Case	Steps	Expected Result
32	Client cannot submit proposal to own task	As a task owner, try to submit a proposal	Button/option disabled or error shown
33	Notifications for new proposals (Client)	Freelancer submits a proposal	Task owner receives notification/email (if implemented)
34	Filter proposals by status	On "My Proposals" or task page, use filter	Only proposals matching selected status are shown
35	Proposal sorting	Sort proposals by budget, date, etc.	Sorted list is displayed correctly
36	Access control for accepted proposals	After proposal is accepted, freelancer sees task and messaging	Access to relevant task features unlocked

Chat

	Test Case	Steps	Expected Result
37	Typing indicator	Start typing in a chat window	Recipient sees "User is typing..." indicator
38	Send long message	Paste/send a very long message	Message is properly displayed/wrapped
39	Send special characters/emojis	Type emojis or special characters	Proper display without encoding issues
40	Chat timestamp visibility	Send/receive a message	Each message has a visible timestamp
41	Real-time sync on multiple devices	Send/receive message while logged in on multiple devices	All devices sync instantly
42	Message delivery/read status	Send a message, wait for recipient to read	"Delivered" or "Seen" indicators appear (if supported)
43	Block user	Block another user, try messaging them	Chat disabled, block persists across sessions
44	Chat notification	Receive message while not in chat	Notification icon or sound alert shown
45	Report abusive message	Click "Report" on a specific message	Message is flagged, feedback sent to moderation (if implemented)

Test Case	Steps	Expected Result
46 Chat search	Use search bar to find a message in chat history	Relevant messages are highlighted or listed
47 Scroll up for older messages	Scroll up in chat window	Older messages load via lazy loading or pagination
48 Chat session timeout	Leave chat open for a long time, wait	Session auto-refreshes or stays connected without error
49 File size limit	Try uploading a file exceeding max size	Error message shown: "File too large"
50 Unsupported file type	Try uploading an unsupported format (e.g., .exe)	Upload blocked, error message shown

Non-Functional Test Cases

Performance

Test Case	Steps	Expected Result
51 Stress test login endpoint	Simulate 1000+ login requests	No timeout or crash, proper throttling
52 Profile update under load	Simulate 100 users updating profiles simultaneously	All updates processed correctly
53 Chat flood test	Send 100+ messages in under 1 minute	App remains stable, messages delivered in order
54 Proposal spam protection	Attempt to send proposals rapidly using automation	Rate limiting or CAPTCHA triggered
55 Memory usage under load	Monitor RAM during heavy usage (chat, tasks, files)	Memory stays within acceptable range

Security

Test Case	Steps	Expected Result
56 Session expiration	Leave session idle for a long time	User is logged out automatically

Test Case	Steps	Expected Result
57 CSRF protection	Submit unauthorized form from external site	Request is blocked or denied
58 File upload validation	Upload executable or renamed file as image	Upload is blocked or sanitized
59 Unauthorized API access	Try accessing protected endpoints without login	401 Unauthorized or redirect to login
60 Brute force login protection	Attempt multiple failed logins	Account lock or CAPTCHA triggered
61 Role-based access	Login as different roles (freelancer/client/admin)	Only permitted actions are allowed

UI/UX

Test Case	Steps	Expected Result
62 Loading states	Trigger actions (submit, load, message)	Spinners/loaders shown during processing
63 Dark mode (if supported)	Switch to dark mode	UI elements adapt correctly
64 Font readability	View UI on different screens/resolutions	Text remains legible and well-aligned
65 Color contrast accessibility	Use accessibility tools	Color ratios meet WCAG standards
66 Keyboard navigation	Use Tab/Shift+Tab to move through fields	Focus flows logically, buttons reachable
67 Form auto-fill support	Use browser auto-fill for login/profile	Fields populate correctly without breaking layout