

Mind Map

Project Overview-

LightningProxies is a comprehensive proxy service provider established in 2022, offering a range of solutions to facilitate efficient web data extraction and ensure online privacy. Their services are designed to cater to various use cases, including web scraping, market research, ad verification, and more.

For Detailed Mind Map View- [click Here](#)

1. Functional Testing

- Verify user authentication (Login, Logout, Registration)
- Check profile data retrieval (Name, Email, Subscription details)
- Validate Edit Profile functionality
 - Update Name, Email, and Subscription preferences
 - Ensure updated data is saved and displayed correctly
- Test password change/reset process
 - Verify old password validation
 - Ensure password strength requirements are enforced
 - Confirm email notification for password change
- Verify session timeout and re-login functionality
- Test subscription management features
- Check order history and billing details functionality
- Validate contact/support ticket submission and response
- Verify main menu functionalities, including Dashboard, Purchase Plan, Invoices, Proxy Usage Log, Sub-Users, Coupons, and Referral options
- Test support section, including FAQs, Proxy Guide, API Docs, and reseller functionalities
- Validate social media and community links (Discord, Telegram)

Landing Page

- Check if the page loads correctly.
- Validate all links and buttons.
- Verify the responsiveness of the design.
- Ensure proper redirections.

2. Usability Testing

- Ensure easy navigation and intuitive UI/UX design
- Check for clear and meaningful error messages
- Validate tooltip and help text accuracy

- Conduct A/B testing for user experience improvements
- Gather user feedback and iterate improvements
- Verify accessibility compliance (WCAG guidelines)
- Check layout consistency, including header, footer, and links

3. Performance Testing

- Measure page load time under normal and high traffic conditions
- Conduct stress and load testing with multiple concurrent users
- Check database response time for profile updates
- Analyze API response times and limits
- Validate CDN and caching mechanisms for optimized performance
- Perform load testing for large data retrieval (e.g., Proxy Usage Logs, Invoices)

4. Security Testing

- Ensure only authenticated users can access restricted areas
- Check for password encryption mechanisms
- Test protection against session hijacking, CSRF, and XSS attacks
- Validate proper error handling for unauthorized actions
- Verify logout functionality and session termination
- Perform penetration testing to identify vulnerabilities
- Test secure transactions for payments and subscriptions

5. Cross-Browser & Accessibility Testing

- Test compatibility with major browsers (Chrome, Firefox, Edge, Safari)
- Validate UI consistency across different browser versions
- Check for JavaScript errors in developer console
- Verify responsiveness in different browser window sizes
- Ensure keyboard navigation support
- Check screen reader compatibility for visually impaired users

6. Bug Tracking & Manual Testing

- Perform exploratory testing to identify hidden issues
- Validate localization support (if applicable)
- Verify compliance with GDPR and data privacy regulations
- Check for broken links and incorrect redirects
- Test notifications and email alerts for various actions
- Categorize bugs based on severity and priority
- Maintain bug tracking documentation for issue resolution

This structured approach ensures comprehensive testing of the Lightning Proxies Website, covering functional, usability, performance, security, API, cross-browser, accessibility, bug tracking, and other manual testing aspects.