**Aloware Test Plan and Test Cases**

**1. Introduction**

-Objective: To verify that the homepage of the web application works correctly, meets the main requirements and offers a positive user experience, in this particular case focusing on the main functionality of the Aloware homepage.

-Scope: The tests will cover functional aspects (navigation, links, content, UI), performance, usability and compatibility

**2. Main Functionalities to Test**

Below are the different functional elements to be tested on the homepage:

2.1. Navigation

-Verify that the navigation menu (top bar) contains all visible links and that they correctly redirect to internal pages.

-Ensure that the submenus are displayed correctly when the user interacts with them.

-Verify that the logo of the page redirects to the homepage from any part of the site.

2.2. Links

-Ensure that all links on the page, such as buttons, links, and images, correctly redirect to the desired page

-Test external links and verify that they open in a new tab correctly

2.3. Static Content

-Verify that the text and descriptions are correct and do not have spelling mistakes or ambiguous messages

-Verify that all images load correctly throughout the Home page

-Verify the presence of videos, gifs, sliders or interactive elements and ensure that they work without problems when entering the home page

2.4. Interactive Features

-Test the chat functionality integrated into the home page works correctly.

-Verify that the animations work correctly throughout the page

**3. Compatibility Testing**

3.1. Browser Testing

-Test the Home page in the main supported browsers:

o Google Chrome

o Mozilla Firefox

o Microsoft Edge

o Safari

3.2. Mobile Testing

-Check the responsive design on different screen resolutions:

o Tablets (768x1024 px, 1920x1080 px, 2048x1080 px, 4096x2160 px)

o Mobiles (720x1280 px, 1080x1920 px, 1440x2560 px)

4. Usability Testing

4.1. User Experience

-Check that the design is coherent, pleasant and easy to navigate, (use designs previously approved by the design department)

-Check the visibility of key elements such as buttons, menus, submenus and links

-Ensure that texts are legible and that color contrast is suitable for people with visual disabilities.

**5. Performance Testing**

5.1. Page Loading

-Measuring page load time on different devices and browsers.

-Checking that resources on the homepage (images, scripts, buttons, animations) load optimally.

-Ensuring that the site stays fast under different network conditions (e.g. 3G, Wi-Fi).

5.2. Optimization

-Checking that the site is SEO optimized (correct meta, alt tags, titles).

-Checking performance in terms of Lighthouse, such as loading speed, resource optimization, and accessibility.

**6. Security Testing**

-Checking that the SSL certificate is correctly installed and the page uses HTTPS.

-Checking that no insecure resources are loaded on the page.

**7. Test Cases**

Each functionality described above will have several test cases with the following format:

-Descriptive title

-Attach any information needed to run the test, documentation or designs defined in the user stories

-Prerequisites to run the test

-Steps

-Expected result

**8. Tools to use for test automation**

-Automation: Cypress to automate the UI

-API testing: Postman

-Performance testing: Google Lighthouse, Jmeter

**9. Acceptance Criteria**

• All test cases must pass without critical errors (P1 bugs)

• The homepage load time must be less than 4 seconds.

• The page must work correctly on all browsers and test devices.

**10. Conclusion**

This test plan covers all critical aspects of the homepage. Executing this plan will help ensure that the homepage is error-free and provides a solid and consistent user experience across different environments.

**High Level Test Cases**

1. Verify the top bar main items are displayed correctly (Chrome) – Automated

Requirements: Have the latest version of Chrome installed, have a stable internet connection

**Steps:**

1 Open the Aloware webpage

- The home page should load correctly

2 Verify the available items in the top bar

**Expected Result**

The items inside the top bar should be displayed correctly, Solutions, Features, Integrations, Pricing, Compare Us, Resources, AI SMS Bot should be displayed

1. Verify the Free trial buttons functionality – Automated
2. Verify Explore More button functionality -Automated
3. Verify Setup for Sales button functionality-Automated
4. Verify Start texting button functionality-Automated
5. Verify See Integrations button functionality-Automated
6. Verify Drive Performance button functionality-Automated
7. Verify Start Automating button functionality
8. Verify Whitelist your numbers button functionality
9. Verify Get AI transcription button functionality
10. Verify that the submenus in the top bar are displayed correctly when hovering-Solutions
11. Verify that the submenus in the top bar are displayed correctly when hovering-Features
12. Verify that the submenus in the top bar are displayed correctly when hovering-Integrations
13. Verify that the submenus in the top bar are displayed correctly when hovering-Pricing
14. Verify that the submenus in the top bar are displayed correctly when hovering-Compare Us
15. Verify that the submenus in the top bar are displayed correctly when hovering-Resources
16. Verify that the submenus in the top bar are displayed correctly when hovering
17. Verify the functionality of the login button correctly redirects to a browser instance
18. Verify the main functionality of the Get A Demo button throughout the page
19. Verify that the sliders load and display correctly on the home page
20. Verify that the Sales Power Dialer interactive button works correctly
21. Verify that the Cloud Phone System interactive button works correctly
22. Verify that the Contact Center Software interactive button works correctly
23. Verify that the CRM Calling and texting interactive button works correctly
24. Verify that the AI Analytics interactive button works correctly
25. Verify the functionality of the testimonial swiper
26. Verify the animations of the images when scrolling to the bottom of the page
27. Verify that images load correctly throughout the home page
28. Verify that the image links in the Our Solutions section work correctly
29. Check that the links in the Our Blog Spots section are working correctly
30. Verify that the For Windows button in the Our Apps section downloads the Exe file correctly
31. Verify that the For Mac button in the Our Apps section downloads the Dmg file correctly
32. Verify that the For Android button in the Our Apps section redirect to google play store
33. Verify that the For IOS button in the Our Apps section redirect to apple store
34. Verify that the elements in the Footer are displayed correctly
35. Verify that the links in the footer in the Solutions section are redirected correctly
36. Verify that the links in the footer in the Company section are redirected correctly
37. Verify that the links in the footer in the Help and Support section are redirected correctly
38. Verify that the link to Facebook in the footer is redirected correctly
39. Verify that the link to Linkedin in the footer is redirected correctly
40. Verify that the link to X in the footer is redirected correctly
41. Verify that the link to Youtube in the footer is redirected correctly
42. Verify the main functionality of the Join our Newsletter field
43. Verify the main functionality of the interactive chat option
44. Verify that the home page loading time does not exceed 4 seconds
45. Verify all test cases described above in Firefox
46. Verify all test cases described above in Safari
47. Verify all test cases described above in Edge
48. Verify the responsiveness of the home page on a mobile device (Android tablet, IPad)
49. Verify the responsiveness of the home page on a mobile device (Android cellphone, IPhone)