

Accessibility Audit & Improvements

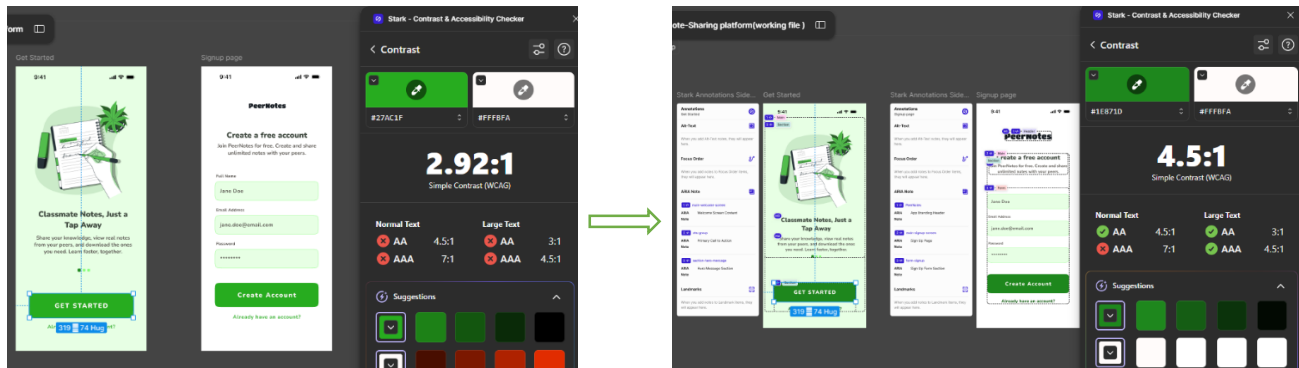
❖ General Accessibility Issues

1. Contrast problems

- **Issue:** Low color contrast in text and interactive elements reduces readability.
- **Fix:** Adjusted colors for better WCAG compliance (in all screens)



- **Purpose:** Ensures text is legible for users with low vision or color blindness.



2. Semantic Clarity (Alt Text, ARIA Labels, Landmarks)

- **Issue:** Missing screen reader cues (e.g., unlabeled buttons, lack of landmarks).
- **Fix:** Added alt text for images, aria-label for icons, and landmark regions (via Stark plugin).
- **Purpose:** Improves navigation for assistive technologies like screen readers.

❖ Page-Specific Improvements

- ✓ Onboarding , login and signup pages

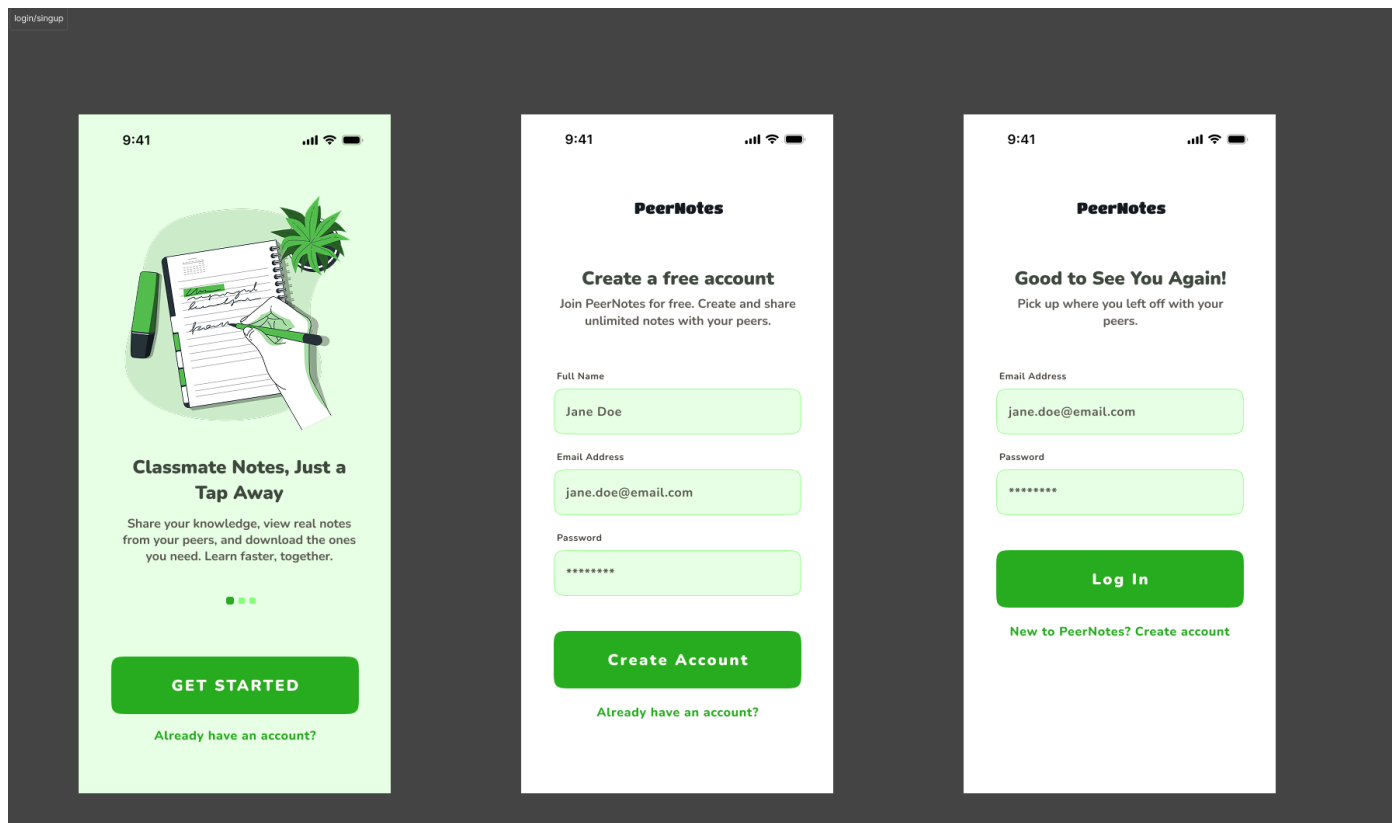


Figure 1: onboarding/login/signup (before)

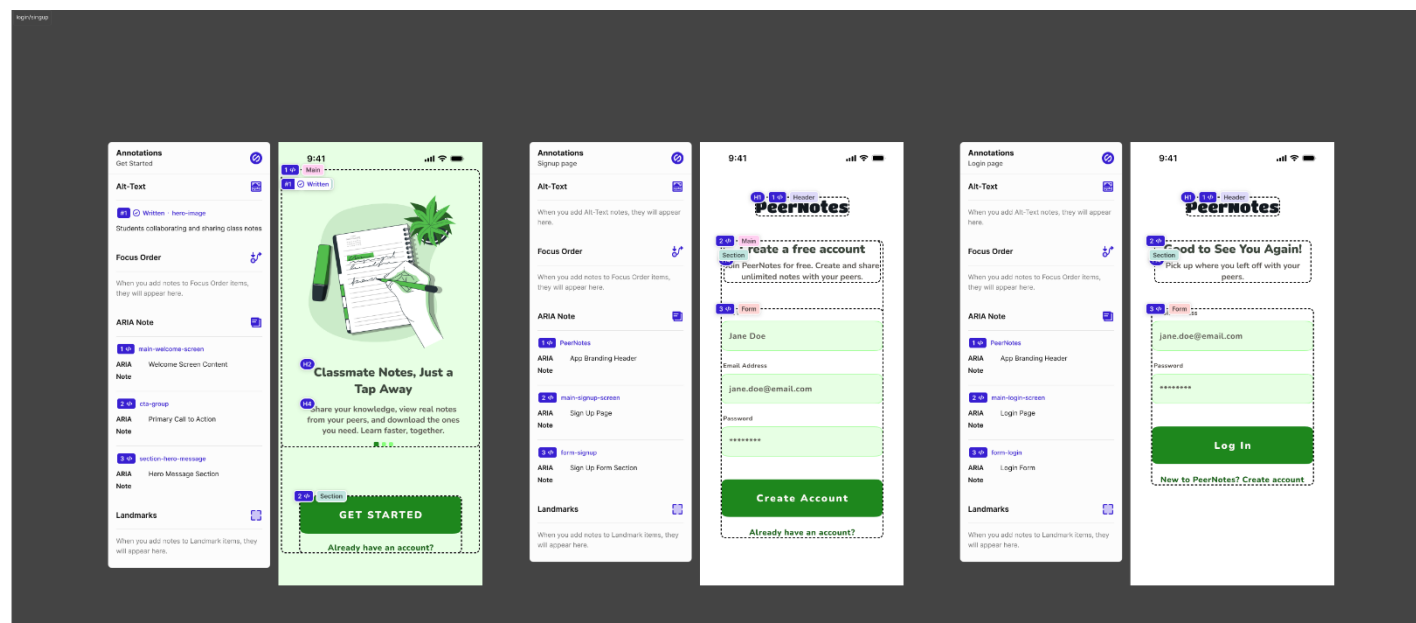


Figure 2: onboarding/login/signup (after)

accessibility issues:

1. Contrast problems

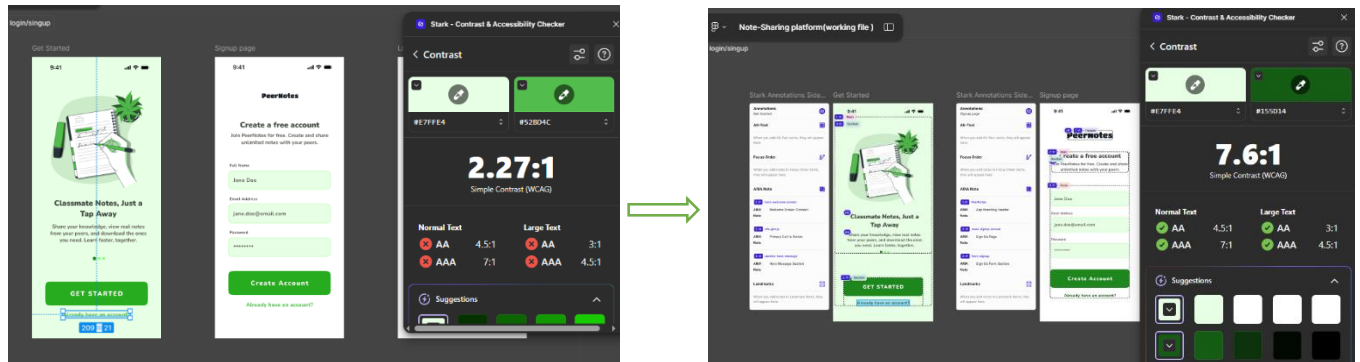
- Issue: Low-contrast text in secondary links (e.g., "Already have an account?").
- **Fix:** Adjusted color

From  : to  :

#27AC1F : #155D14

primaryGreen : *new linkGreenColor*

- **Purpose:** Enhances visibility for users with impaired vision.



✓ Home page

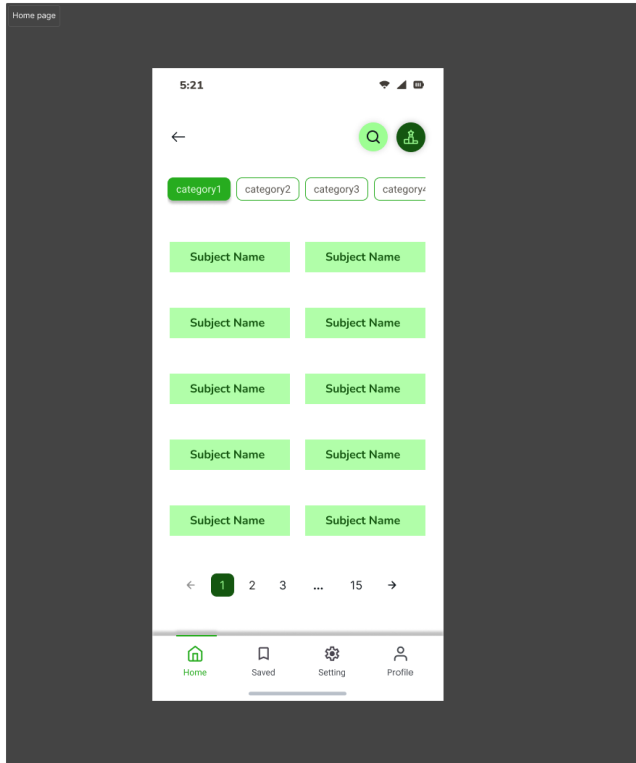


Figure 3 :home page (before)

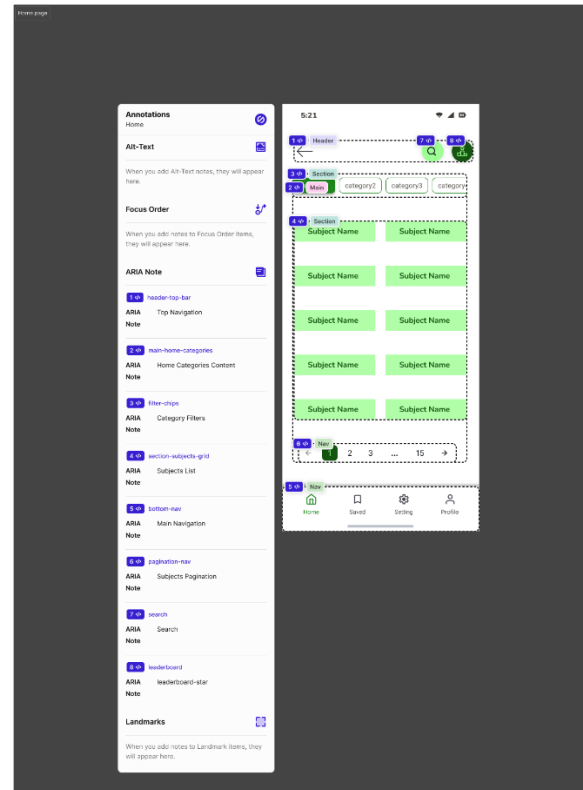
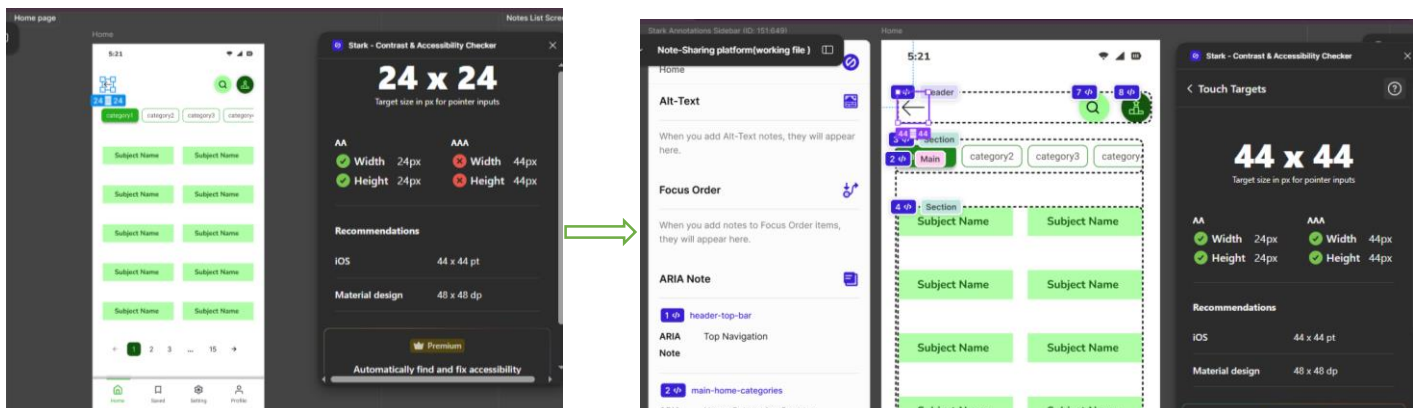


Figure 4: home page (after)

accessibility issues:

1. Touch target sizes

- **Issue:** Small touch targets (24x24px) for top navigation icons.
- **Fix:** Expanded to 44x44px (WCAG minimum).
- **Purpose:** Prevents misclicks and aids users with motor impairments.



✓ subject1 Notes List page

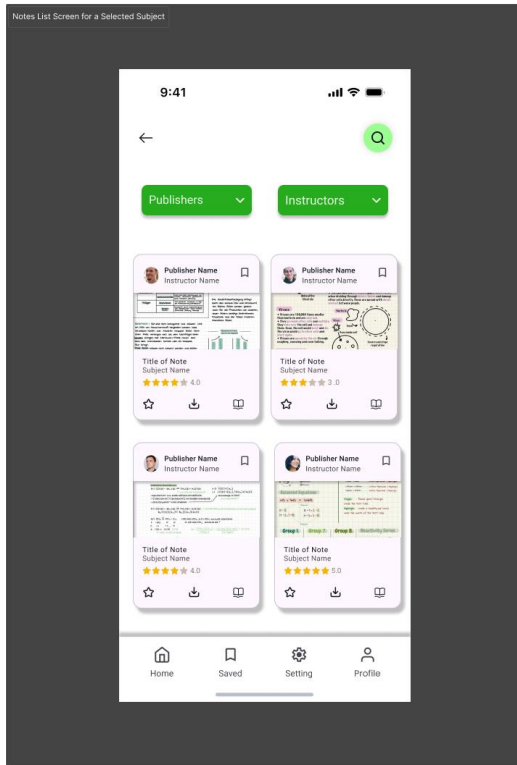


Figure 5 : subject1 Notes List page (before)

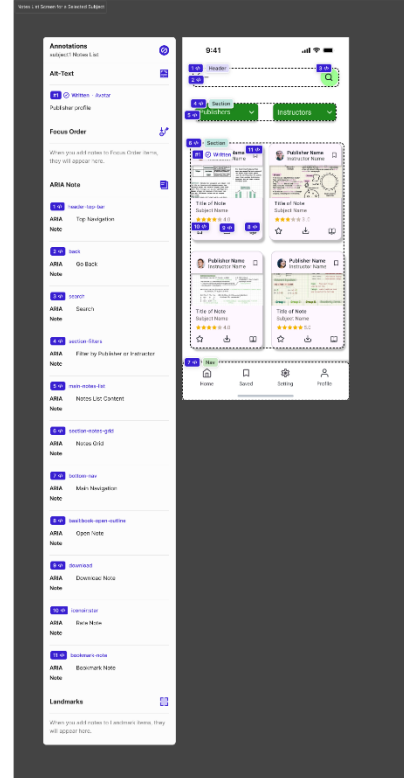
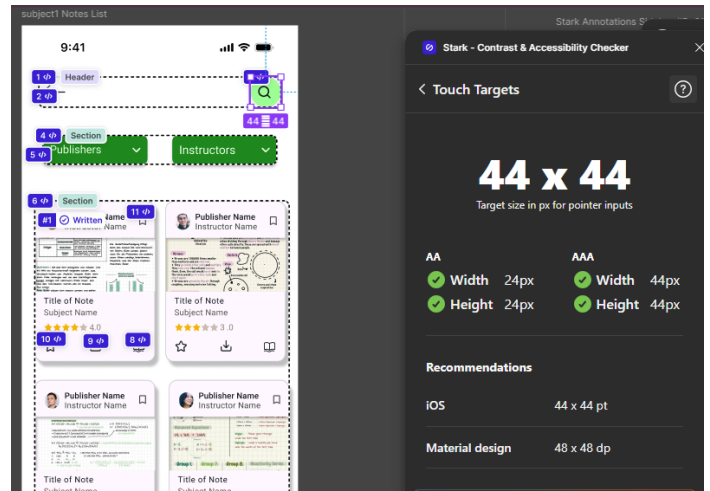
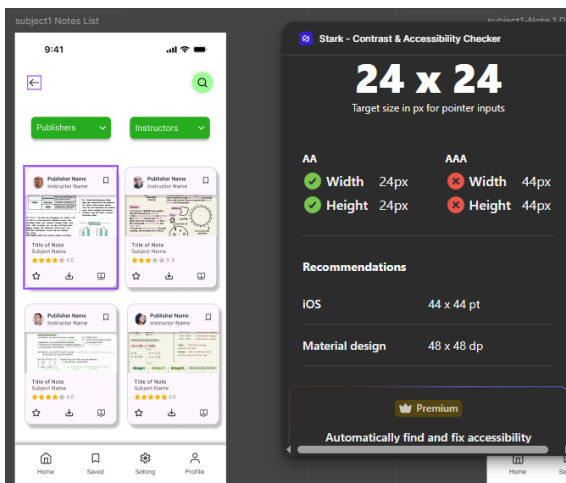


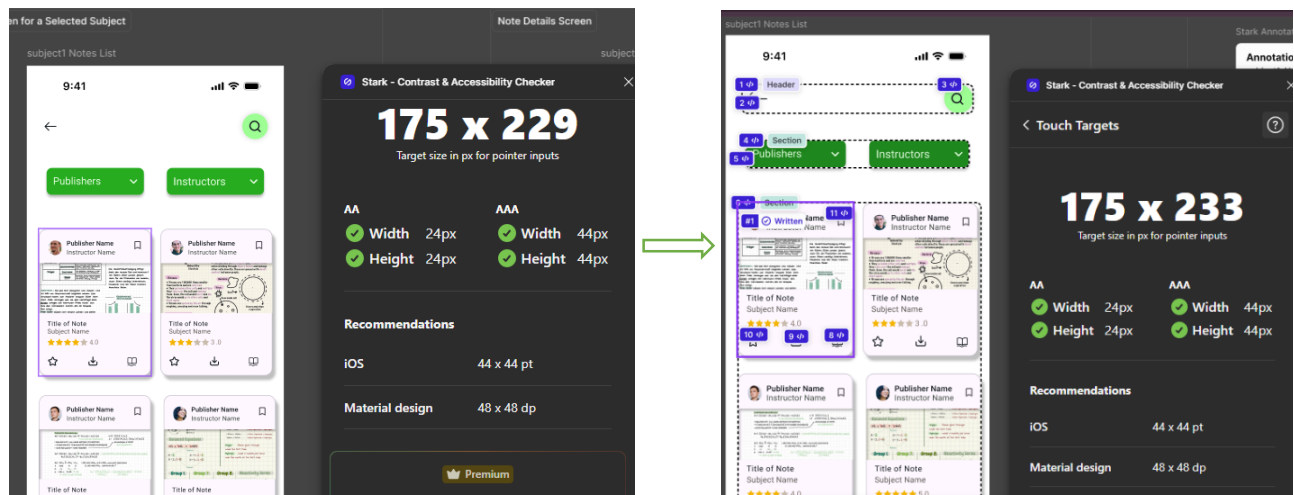
Figure 6: subject1 Notes List page (after)

accessibility issues:

1. Touch target sizes

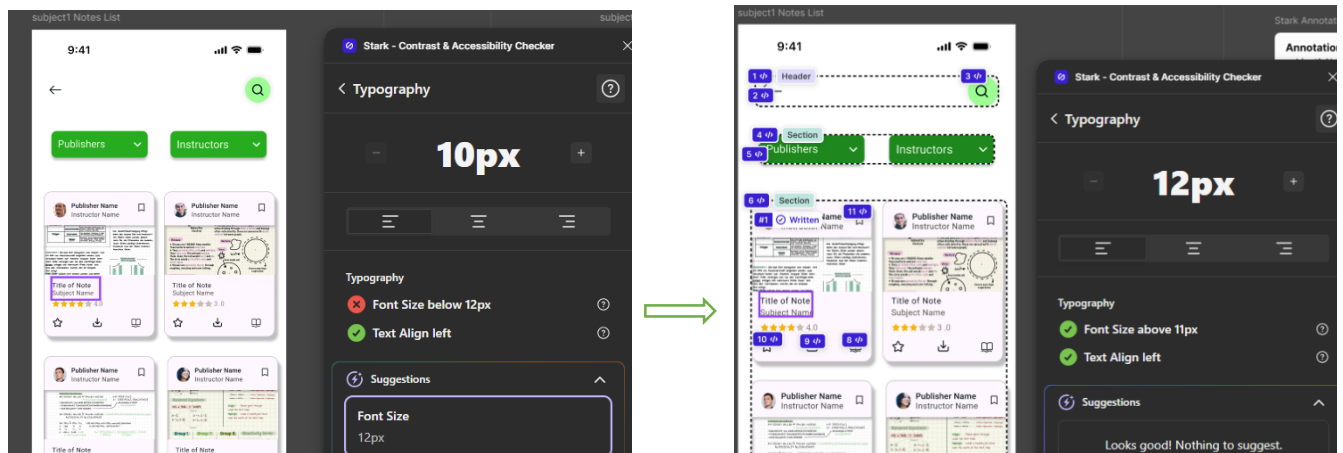
- **Issue:** touch Cards and icons too small (24×24px).
- **Fix:** Increased touch targets to 44×44px for icons and cards.
- **Purpose:** Improves usability for touch devices .





2. Font legibility

- **Issue:** Body text too small (10px).
- **Fix:** Text size raised to 12px.
- **Purpose:** Improves readability.



✓ subject1-Note 1 Details page

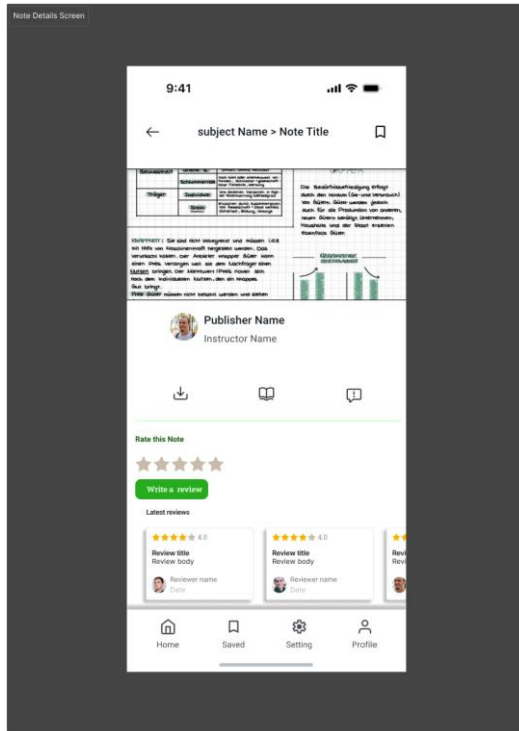


Figure 7 : subject1-Note 1 Details page (before)

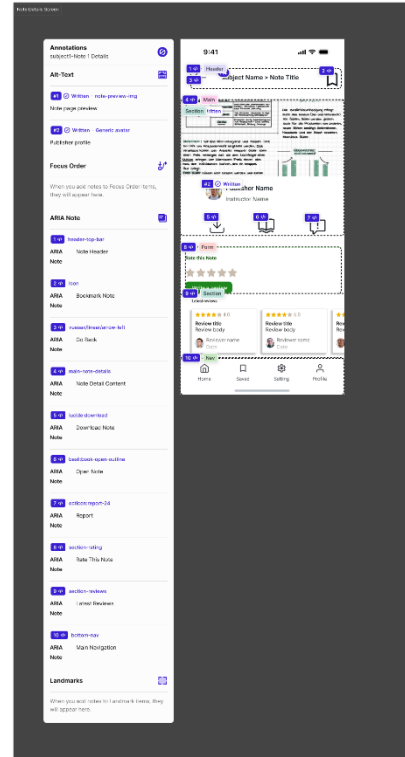
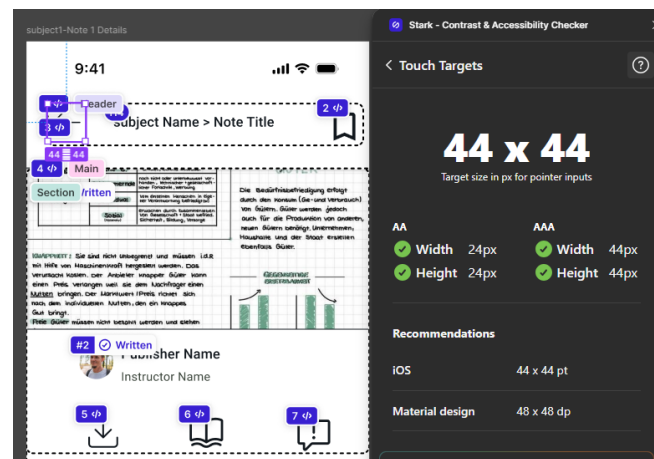
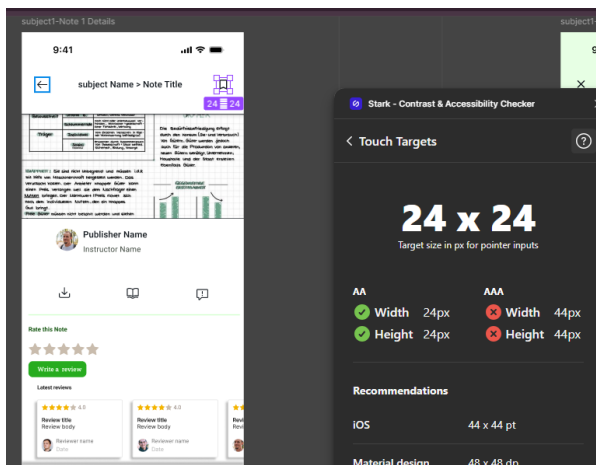


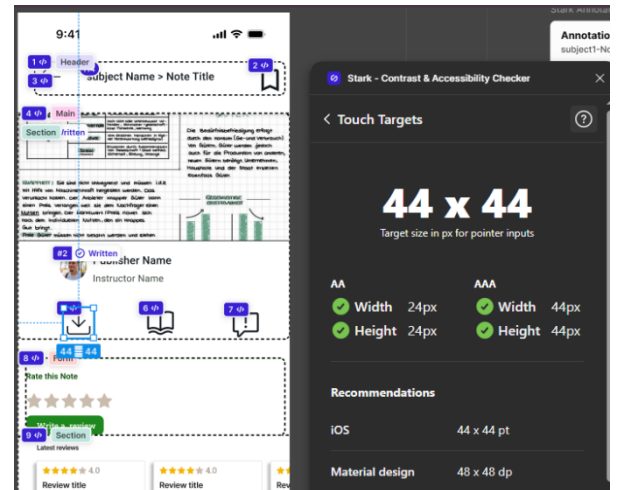
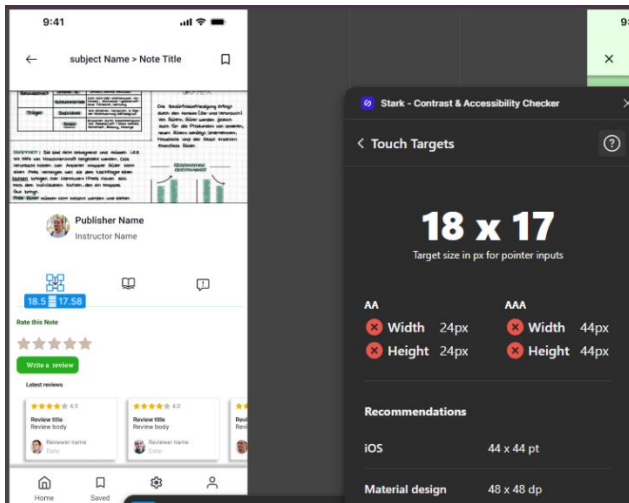
Figure 8: subject1-Note 1 Details page (after)

accessibility issues:

1. Touch target sizes

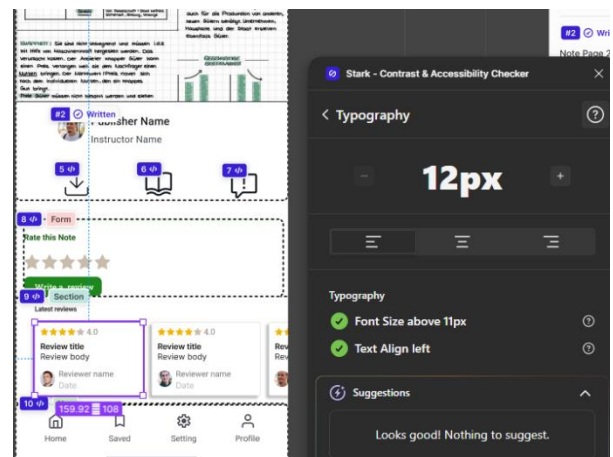
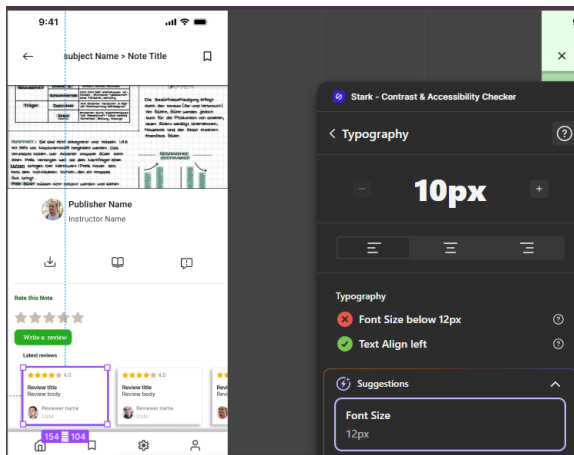
- **Issue:** Top and Action icons (e.g., back,download, open) too small.
- **Fix:** Icons enlarged to 44×44px.
- **Purpose:** Ensures ease of interaction.





2. Font legibility

- **Issue:** Review card text hard to read (10px).
- **Fix:** Text increased to 12px.
- **Purpose:** Improves readability.



✓ subject1-Note 1 page

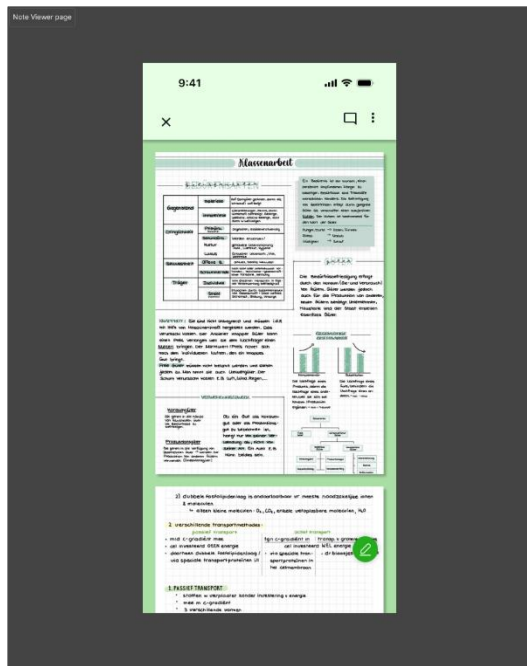


Figure 9 : subject1-Note 1 page (before)

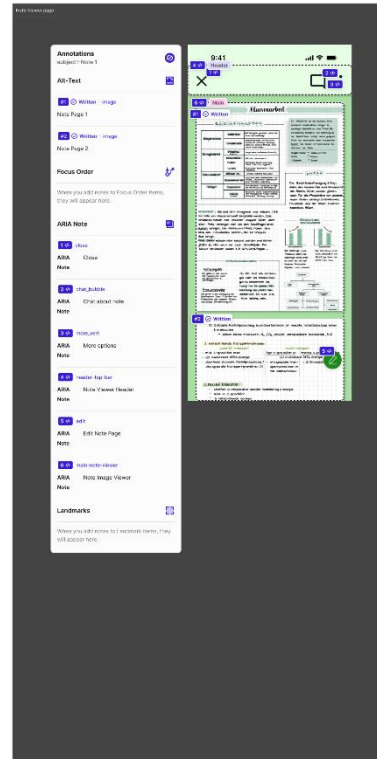


Figure 10: subject1-Note 1 page (after)

accessibility issues:

1. Touch target sizes

- **Issue:** Interactive icons (e.g., close, chat ,edit) below WCAG touch target standards.
- **Fix:** Scaled icons to 44×44px.
- **Purpose:** Reduces accidental taps and supports one-handed use.

