

Augmented Reality (AR) Usability Checklist

Check the user interface.

- Ensure the user interface design is simple and uncluttered.
- Use clear and concise instructions.
- Avoid unnecessary elements that may distract from the experience's main purpose.
- Use familiar user interface elements (i.e., buttons, sliders, menus).
- Place elements in logical locations that users intuitively understand.
- Consider lighting, surroundings, and other environmental factors that may affect the user's experience.
- Ensure that user interface elements are easy to see and interact with in the context of the user's setting.
- Consider if the experience requires a variety of input methods beyond a traditional touchscreen.
- Test in a variety of real-world environments.
- Identify any issues with the user interface and use the feedback to iterate and improve the user interface.

Check for clarity.

- Ensure the AR content has a high level of contrast with the real world. (<https://webaim.org/>)
- Provide clear instructions on how to interact with the content.
- Use consistent design elements throughout the AR experience, such as color schemes, fonts, and icons.
- Use animations or visual effects to highlight important information or interactions.
- Avoid cluttering the AR experience with too many elements or too much information.

Check for accuracy.

- Use a high-quality, reliable, and accurate tracking system to help users understand the relationship between AR content and the real world.
- Ensure that any 3D models used in the AR experience are accurate and scaled correctly.

Check user feedback.

- Provide clear feedback when an action is completed (visual or auditory) that confirm the user's input.
- Use familiar colors to help users quickly identify the feedback (e.g., green indicates success and red indicates failure).
- Use language that the target audience will recognize.

Check the performance.

- Implement a calibration process to ensure the AR content aligns with the real world.
- Ensure the AR experience is responsive and performs well, with minimal lag or delay.
- Ensure the AR experience is compatible with the device(s) being used (e.g., iPhone, Android, tablet, desktops, web browsers)
- Ensure the AR experience is easy to download and access, and that the installation process is clearly explained.