



Digital Accessibility: How to make your Mobile App Accessible



How to make your Mobile App Accessible

1. Mobile app user interface must be operable with Gesture and Keyboard

- App menus and sub menus
- Form fields and media player controls
- Static and Dynamic content
- Never use actions that are dependent on sight; example drag / drop or sliders
- All content must be focusable and Focus Ring on all content must be visible, never disrupted and operate in a predictable way

2. All content and user interfaces must operate in a consistent logical sequence

- Consistent logical tab / gesture reading orders
- As an example, all Form Fields and Menus must be usable by Gesture

3. All non-text element and content must have a text equivalent

- Meaningful and Functional graphics must have associations to meaningful text descriptions
- Audio content must have caption or link to text transcript
- Videos require Caption and Audio / Text description

4. App layout, navigation, content and function must be consistent

- App menus visual layout and presentation must be consistent
- Form field layout and placement must be consistent

5. App document structure is used appropriately

- Each screen has a proper Title
- Heading elements are used appropriately
- List elements are used for actual lists
- Paragraph element is used appropriately
- Table structure is used only for tabular data; table header and caption attributes are used

6. Keep the Design and Layout Simple

- Minimize content to display in minimal Screen size; 5 to 6 inches
- Minimize use of images, text loads much quicker
- Left align all content and fully utilize space
- Button and text links minimum touch area size should be 48 x 48 pixels

7. Scalable and Minimum Text size

- Text size should scale using percentages, relative sizing
- Minimum text size: Font size on 5-6 inch screen should be 4.8 mm in height
- Use San Serif fonts like Arial, Tahoma, Verdana for Arabic and English text

8. Foreground (Text) Color should be used with High Color contrast and not used alone to convey a meaning, prompt an action or response

- Avoid using color alone to convey a meaning, Example; Avoid using Red color alone to convey a error message
- Minimum color contrast between text and background should be 4.5:1
- Minimum color contrast between graphic elements and background should be 3:1

9. Form controls must be labeled properly with usable layout

- Visual layout of labels and form controls must be tight with minimal space
- Use label elements to associate text labels with form controls
- Ensure usability with Gesture and Screen Reader

10. Mobile App content and functions must be understandable by everyone

- Use simple language in the App for people with language barriers and cognitive disabilities
- Use descriptive link phrases that describe link destination; avoiding using Only link phrases like; "Click Here", "More" and "Learn More"
- Programmatically identify different languages or change of languages in the App to maximize compatibility with screen readers and multi languages

References:

Follow and use the **WCAG 2.2 guidelines** to ensure your Mobile App is accessible to people with disabilities.

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