



Accessibility

Accessibility is an important part of any app. Whether you're developing a new app or improving an existing one, ensure that components are accessible to everyone.

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Accessibility Overview

By integrating accessible components and services, you can improve your app's usability for all users, including those with disabilities.

The Impact

By integrating accessibility features in your app, you make it more inclusive:

- **Increase your app's reach.**

According to [The World Bank](#), 15% of the world's population has some type of disability. People with disabilities depend on accessible apps and services to communicate, learn, and work. By making your app accessible, you can reach more users.

- **Improve your app's versatility.**

Accessibility can make it easier for all users, not only those with disabilities, to interact with your app. For example, if someone is using your app while cooking, accessibility features let them use voice commands instead of the touchscreen to navigate.

Development Resources

To make your app accessible, follow these key principles of inclusive design, development, and testing:

- **Design your app to support accessibility needs.**

By following material design best practices, you allow all of your users, including users with disabilities, to navigate and interact with your app more easily.

- **Develop your app using accessibility best practices.**

As you create your app, follow basic accessibility principles that make a big difference to your users, including content labeling, touch target size, color contrast, and view attributes.

- **Test with accessibility in mind.**

Integrate accessibility with your app's testing cycle by incorporating both manual and automated accessibility testing. To make this process easier, learn about the different accessibility services that Android offers, such as [TalkBack](#) and [Switch Access](#).

By familiarizing yourself with these services and testing your app using them, you can better understand the experience of users with accessibility needs.

If you want to create a new interaction model to help people with a specific type of disability, or if your app's content has a particular accessibility requirement, you can create your own accessibility service. To learn more, see the [Building Accessibility Services](#) guide.