



# Angular Mobile App: Features, Benefits, and Development Guide

Choosing the right framework is the most important decision that can make or break the performance of an app. With the ever-changing technology landscape, we have a host of options today and Angular is one amongst them. It serves as a perfect option to build intuitive, and eye-catching experiences for iOS and Android platforms. Developing a mobile app using Angular provides many benefits, including scalability, flexibility, high performance, and others. Additionally, it makes [Angular mobile app development](#) easier because it comes with powerful features that can support various needs of developing a project.



## Angular Mobile App: Features, Benefits, and Development Guide

[Read More](#)



## Overview of Angular App Development

Angular is a popular framework today, introduced by Google, it is the code that developers prefer to use for developing fast, reliable, and cross-functional apps. Applications developed with Angular work seamlessly across various platforms. The applications are built on a single page and they are comparatively fast to operate.

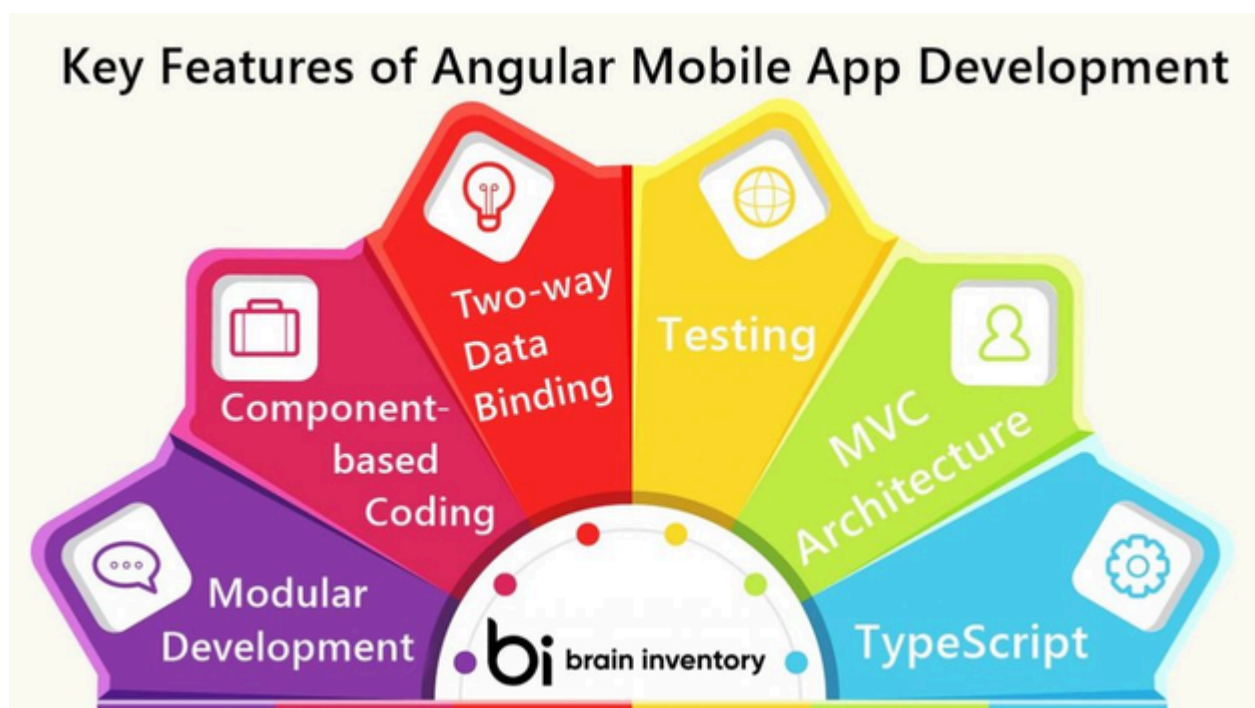
Another reason why the Angular mobile app framework is considered the most effective tool is the use of TypeScript, which is a new version of JavaScript. TypeScript helps developers

prevent multiple mistakes by identifying them beforehand, making the app quicker to build with minimal errors.

In addition to that, the most important aspect of Angular application development is its ability to create components. This means that rather than a single big element, the application is developed using many little elements, called components. Every component functions independently of others, which also means it is much simpler to pass the stages—build, integrate, and test. And even if one part of the app is touched, the others will remain unaffected.

Angular is not only used to build websites and online applications, but it is an excellent framework for generating mobile apps. When used in conjunction with Native Script or Ionic, Angular can develop apps that work effortlessly in both iOS and Android with one single code. The development process consumes less time and becomes cost-effective since there is no need to develop different codes for different applications.

## Key Features of Angular Mobile App Development



1. **Modular Development:** Angular ensures that the mobile apps consist of small and easy-to-manage modules. These modules are independent of each other so they also remain unaffected by each other's performance risks. This simplifies the development process for developers and allows for easy debugging.

2. **Component-based Coding:** This approach divides the application code into reusable components. These components are used for different functionality. They can also be reused across different parts of an application or other projects. This feature offers two crucial advantages— consistency across the codes and faster development.
3. **Testing:** Angular offers convenient and flexible testing. It offers different testing methods, like end-to-end testing and unit testing. Components and modules are tested side-by-side, ensuring that every part of the app works just as well as expected.
4. **Two-way Data Binding:** This feature allows data to flow from components to the views and vice versa. If there are any changes made in the components part, they will be instantly reflected in the views and vice versa.
5. **TypeScript:** Angular uses TypeScript throughout its components, which gives it an edge over other available frameworks. It reduces the chances of making mistakes while writing codes and also saves time due to object-oriented programming.
6. **MVC Architecture:** Angular supports MVC architecture that divides an app into three main components— Model, view, and controller. The controller is connected to the model and the view. The Model represents data and logic, while the View is responsible for rendering the user interface. Components act as controllers to manage the flow between the Model and the View.

## Reasons Why You Should Consider Angular for Mobile App Development

1. **Cross-platform Compatibility:** Angular allows you to develop mobile apps with a single codebase—TypeScript. As a result, it is an ideal option for developing applications that work well with Android and iOS. Also, combining Angular with other frameworks like Ionic and NativeScript helps in building [cross-platform compatible mobile apps](#). For example, developers can utilize Ionic to create dynamic user interfaces and use Angular for business logic.
2. **Faster Development:** The development process becomes faster with Angular. For example, the feature of two-way data binding updates the data in view when the developers make changes to the model and vice versa. This minimizes the level of boilerplate code. And the app's UI can be manipulated easily.
3. **Code Reusability:** Another significant reason why Angular is an ideal choice for developing mobile apps is its code reusability feature. Not only does it reduce the time in developing the app, but also the productivity of the developer is greatly enhanced.
4. **Robust Framework:** Angular comes with a host of tools to aid in the development process. For example, easy testing, routing, HTTP client, validation, and more. These

tools save a lot of time for developers and help them create the right kind of mobile apps for the end users. The final result is usually scalable and easy to maintain.

## Limitations of Angular

Angular is a popular framework, but like others, it presents some drawbacks. And you must know about them to choose the right technologies for your mobile application.



1. **Hard to Achieve Native-Like Performance:** If your main objective is to [develop native applications](#), Angular may not be able to deliver the performance you're willing to achieve. Although you can combine Angular with Ionic, Kotlin, or other frameworks to develop native-like applications, those would not be as fast and responsive as those developed using native tools only like Swift for iOS.
2. **Hard to Learn:** To develop an Angular app, you need to have a thorough knowledge of its features and functionalities. There is a slight increase in the complexity levels if you are moving from TypeScript to RxJS to dependency injection. And if you are a complete beginner, you will face a hard time understanding the complex architecture of Angular. It will take a good amount of time to learn the features and apply them during the development stages correctly.
3. **Large File Sizes:** Applications developed using Angular are often massive. They load with a slight delay and behave less responsive, especially on devices with low memories and

outdated models. However there is a way to fix this problem, but for beginners, it is going to be a task.

4. Not the Best Fit for Simple Projects: Angular is a complex framework. So if your project is small, and doesn't require intricate software solutions, using Angular may prove to be expensive and a time-consuming framework. So better not to use it for small-scale and simpler projects.
5. Development Can Get More Complex: Angular may lack integration with native devices, where Ionic comes in handy. It works fine with basic ones like GPS, or camera, but with more complex ones, it might take additional plugins or customized solutions, which can make the development process more complex.

A trusted [AngularJS development company](#) like Brain Inventory can help you overcome all these limitations as the professionals know every detail about the framework and they can easily handle the roadblocks coming their way.

## Final Thoughts

Angular could be the best choice for building your mobile application, be it social media, e-commerce, banking, or hospitality. However, we would suggest listing down your project requirements and goals first. Because like any other framework, Angular has its own limitations. If you are not aware of your project goals, and the limitations of Angular, you might face challenges during the development process. A professional developer can help you to build an ideal mobile application with the desired features and design. [Contact us](#) to discuss your requirements, and our company will get back to you and schedule a meeting!