**Get Started with Ionic**

**Prerequisites:**

1. **Node.js and npm:**

Make sure you have Node.js and npm (Node Package Manager) installed on your machine. You can download and install them from [nodejs.org](https://nodejs.org/en).

1. **Ionic CLI:**

Install the Ionic CLI globally using the following command:

$ npm install -g @ionic/cli

**Step 1: Create a new Ionic project.**

Although the framework offers an App Creation Wizard, this time we will create the whole project using the terminal.

With that said, open your terminal and run the following command to create a new Ionic project:

$ ionic start

As the command starts to run, you’ll be asked the following questions:

? Use the app creation wizard? No

? Framework? Vue

? Project name? tutorial\_project

? Starter template: tabs

It may need a few minutes until the command finishes running and the project is created.

If you want to skip the whole questioning process that comes with the command stated before, you can also compress it to be faster.

$ ionic start tutorial\_project tabs --type=vue

**Step 2: Navigate to the project directory.**

$ cd tutorial\_project

**Step 3: Serve your app.**

Run the following command to start a local development server and see your app in the browser:

$ ionic serve

Open your browser and navigate to http://localhost:8100. You should be able to see your app with the simple tabs template.

**Step 4: Explore the project structure.**

Open the project in your preferred code editor. The important files and directories are mostly located in the *src* folder.

**Step X: Mobile Deployment.**

If you’re ready to deploy your ionic application on your mobile device, then these are the steps that you need to take.

We’ll start by rebuilding the project, so if you’re currently running it then you’ll need to stop.

To build the application, we have the command:

$ ionic build

After that is done, you’ll need to run the following command:

$ ionic cap add android

$ ionic cap add ios

This will create both Android and iOS folders at the root of the project, which are entirely standalone native projects that should be considered part of you Ionic app.

**Important**: Every time you perform a build (e.g. ionic build) that updates your web directory (default: build), you'll need to copy those changes into your native projects:

To open