INTRODUCTION TO MOBILE APPLICATIONS DEVELOPMENT

Ionic CLI

ITSFT-406-2001

Ing. James Attard

MCAST

BUILDING OUR FIRST IONIC APP

- Open your command prompt and enter the following command:

  <code>ionic start *myApp* blank --type react</code>

- This Ionic CLI command will build an Ionic App called "myApp" (you can call it anything you want) using no template (hence *blank*) and will be using React as the JavaScript framework.

BUILDING OUR FIRST IONIC APP


```
james@obsidian ~/code/mcast/imad (master)
$ ionic start myApp blank --type react
[INFO] Existing git project found (C:/Users/james/Code/mcast/imad). Git operations are disabled.
√ Preparing directory .\myApp in 1.31ms
√ Downloading and extracting blank starter in 1.02s
> ionic integrations enable capacitor --quiet -- myApp io.ionic.starter
> npm.cmd i --save -E @capacitor/core@latest
npm WARN deprecated abab@2.0.6: Use your platform's native atob() and btoa() methods instead
npm WARN deprecated domexception@4.0.0: Use your platform's native DOMException instead

added 684 packages, and audited 685 packages in 1m

147 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
> npm.cmd i -D -E @capacitor/cli@latest

added 64 packages, and audited 749 packages in 6s

153 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
> npm.cmd i --save -E @capacitor/haptics @capacitor/app @capacitor/keyboard @capacitor/status-bar

added 4 packages, and audited 753 packages in 3s

153 packages are looking for funding
```
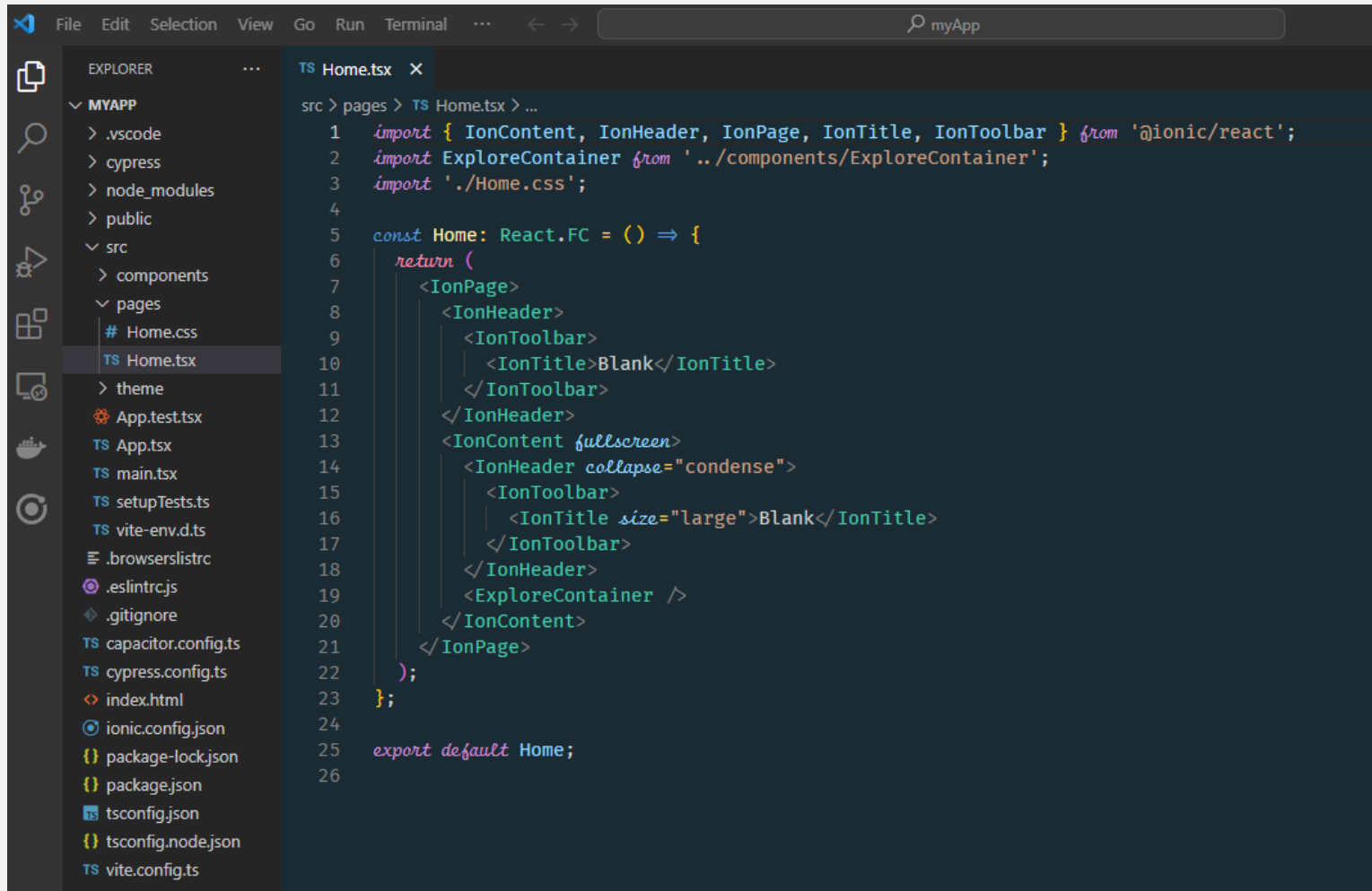
PROJECT STRUCTURE

The project folder will have the following structure:

PROJECT STRUCTURE

- The two most important files/folders are:

  - `App.tsx –` This is where the main Ionic application resides and where we define the paths (routes)

  - `.tsx files inside /pages –` This is where we will be developing our mobile application screens (called pages). The default application page is the Home.tsx file.