



# Projeto Ionic

# Criando um projeto

- Comando
  - `ionic start nomeProjeto template`
- Opções de template disponíveis
  - blank
  - tabs (default)
  - sidemenu

# Criando um projeto

Ionic Blank Starter

Dashboard

Recent Updates

There is a fire in **sector 4**

Health

You ate an apple today!

Upcoming

You have **29** meetings on your calendar tomorrow.



Status



Chats



Account

Left



Login

Reggae

Search

Chill

Browse

Dubstep

Playlists

Indie

Rap

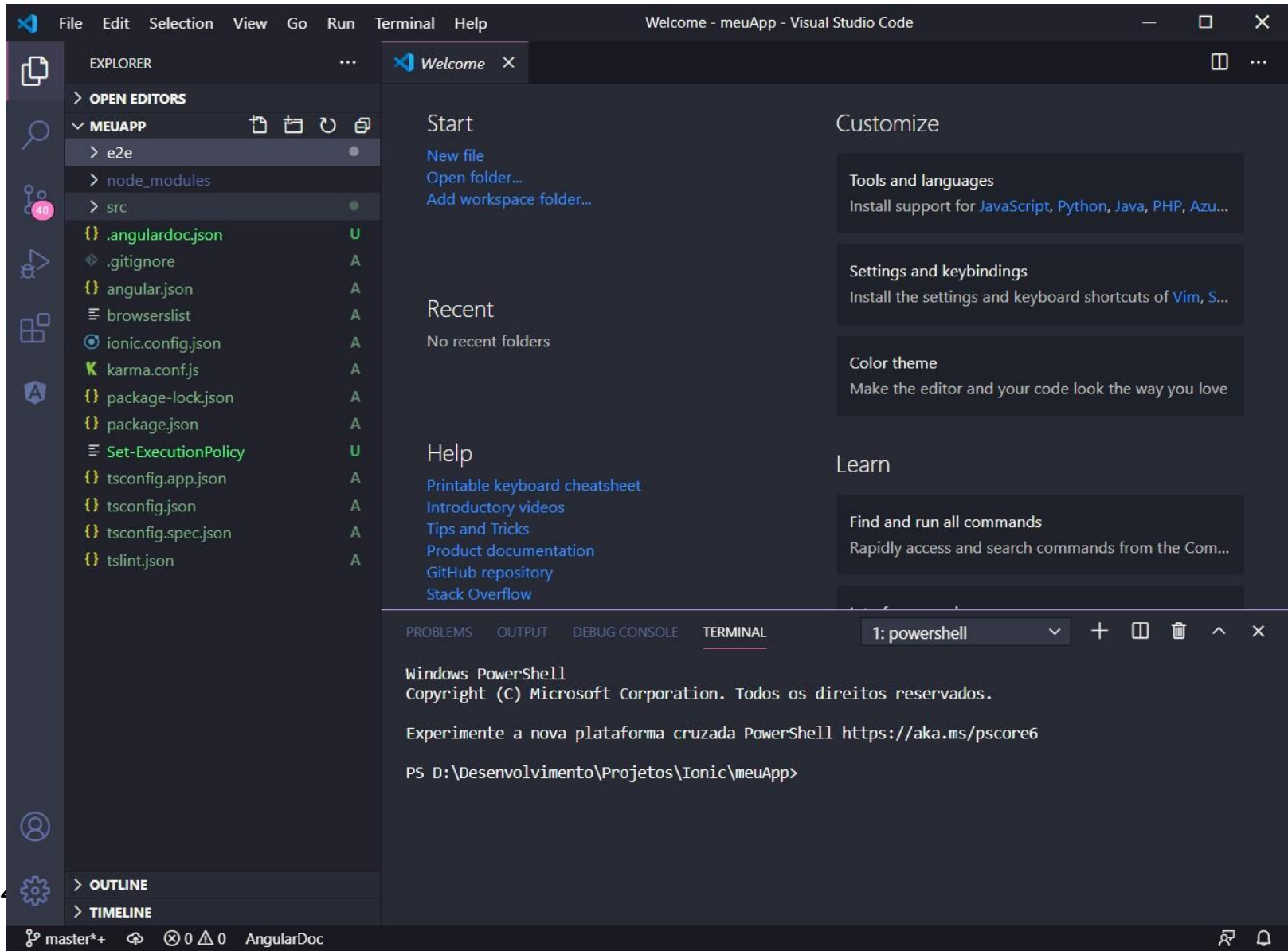
Cowbell

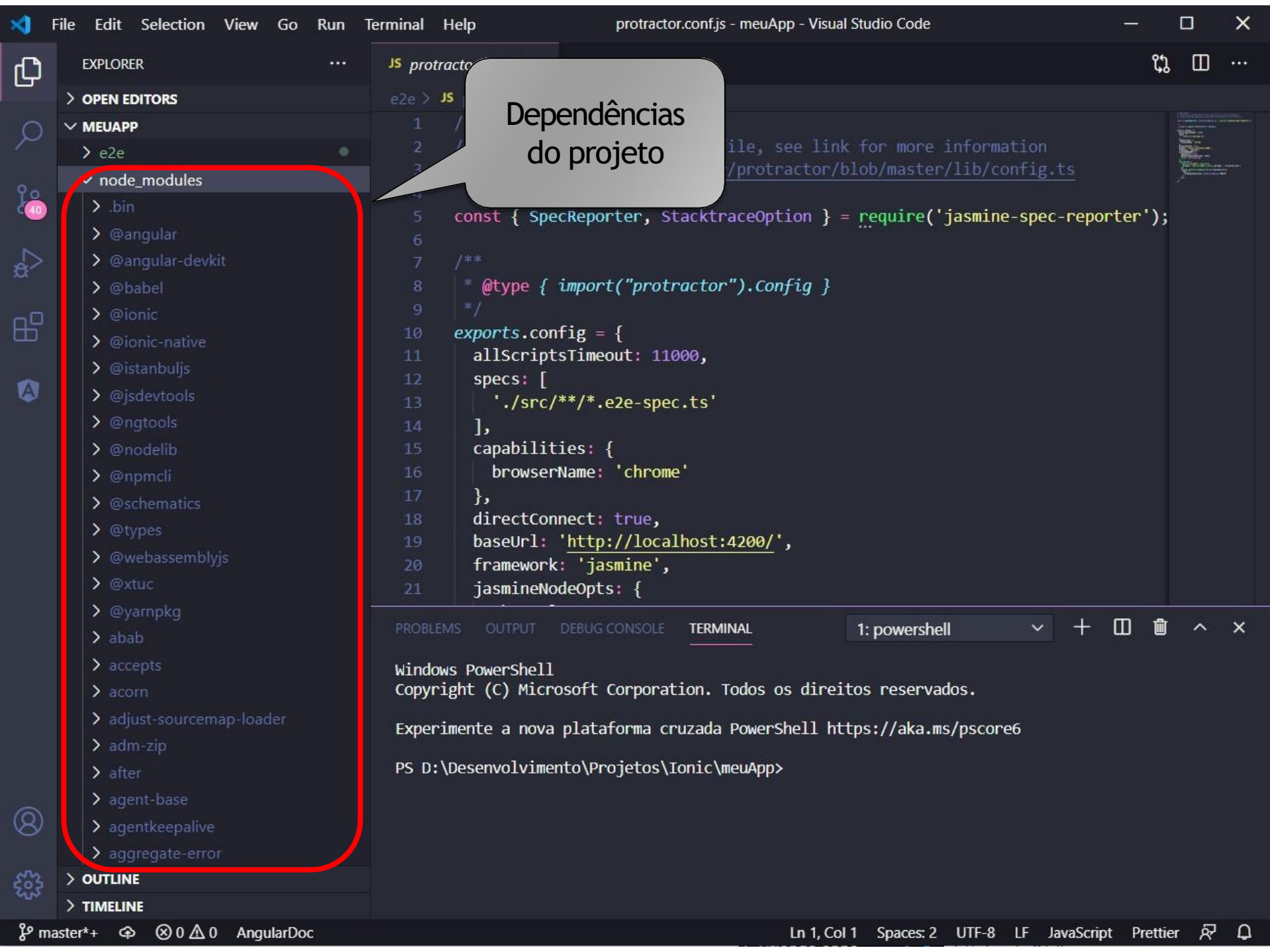
blank

tabs

sidemenu

# Estrutura do projeto





Dependências  
do projeto

```
1 /
2 /
3 /
4 /
5 const { SpecReporter, StacktraceOption } = require('jasmine-spec-reporter');
6
7 /**
8  * @type { import("protractor").Config }
9  */
10 exports.config = {
11   allScriptsTimeout: 11000,
12   specs: [
13     './src/**/*.e2e-spec.ts'
14   ],
15   capabilities: {
16     browserName: 'chrome'
17   },
18   directConnect: true,
19   baseUrl: 'http://localhost:4200/',
20   framework: 'jasmine',
21   jasmineNodeOpts: {
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

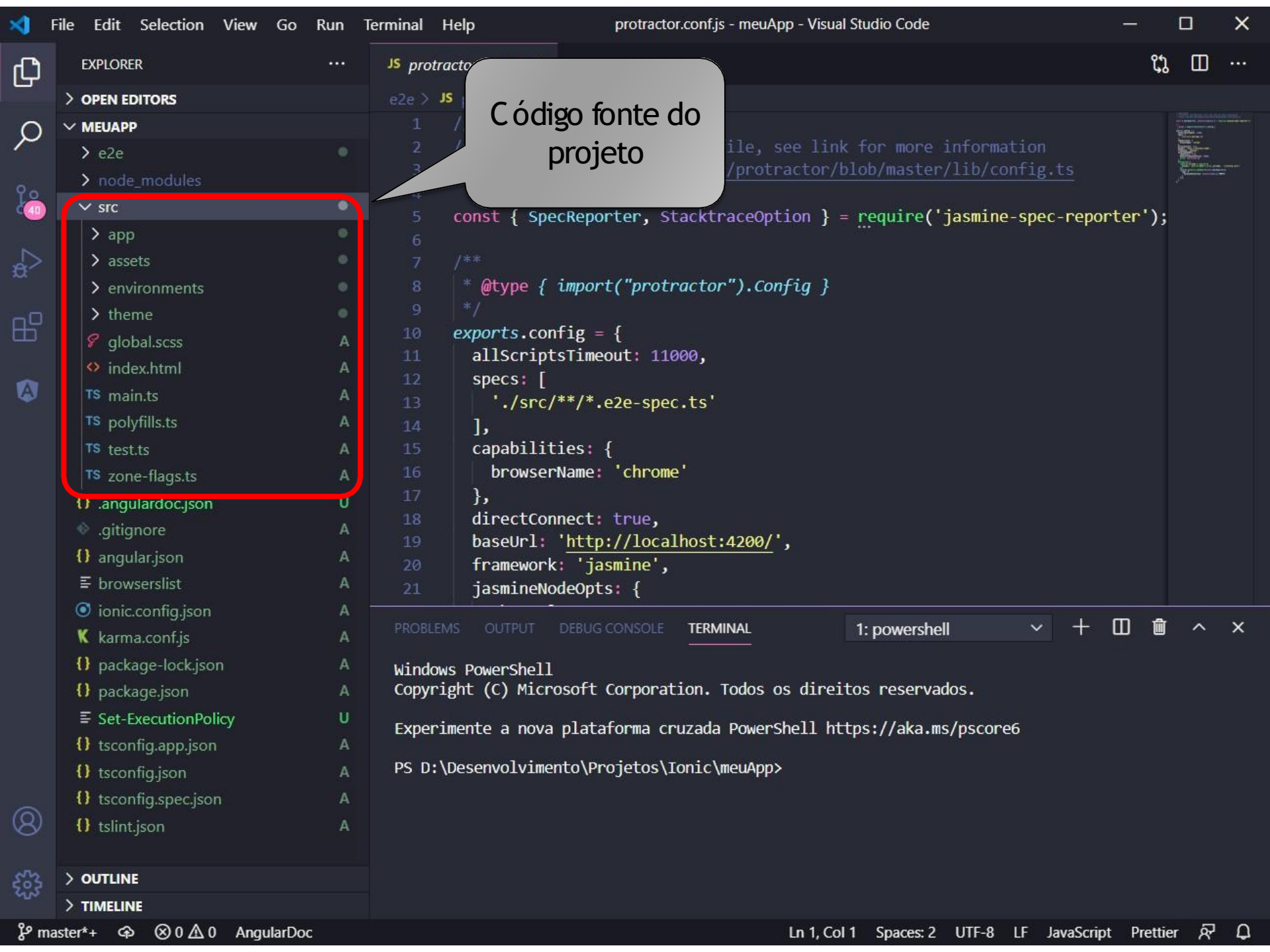
1: powershell

Windows PowerShell

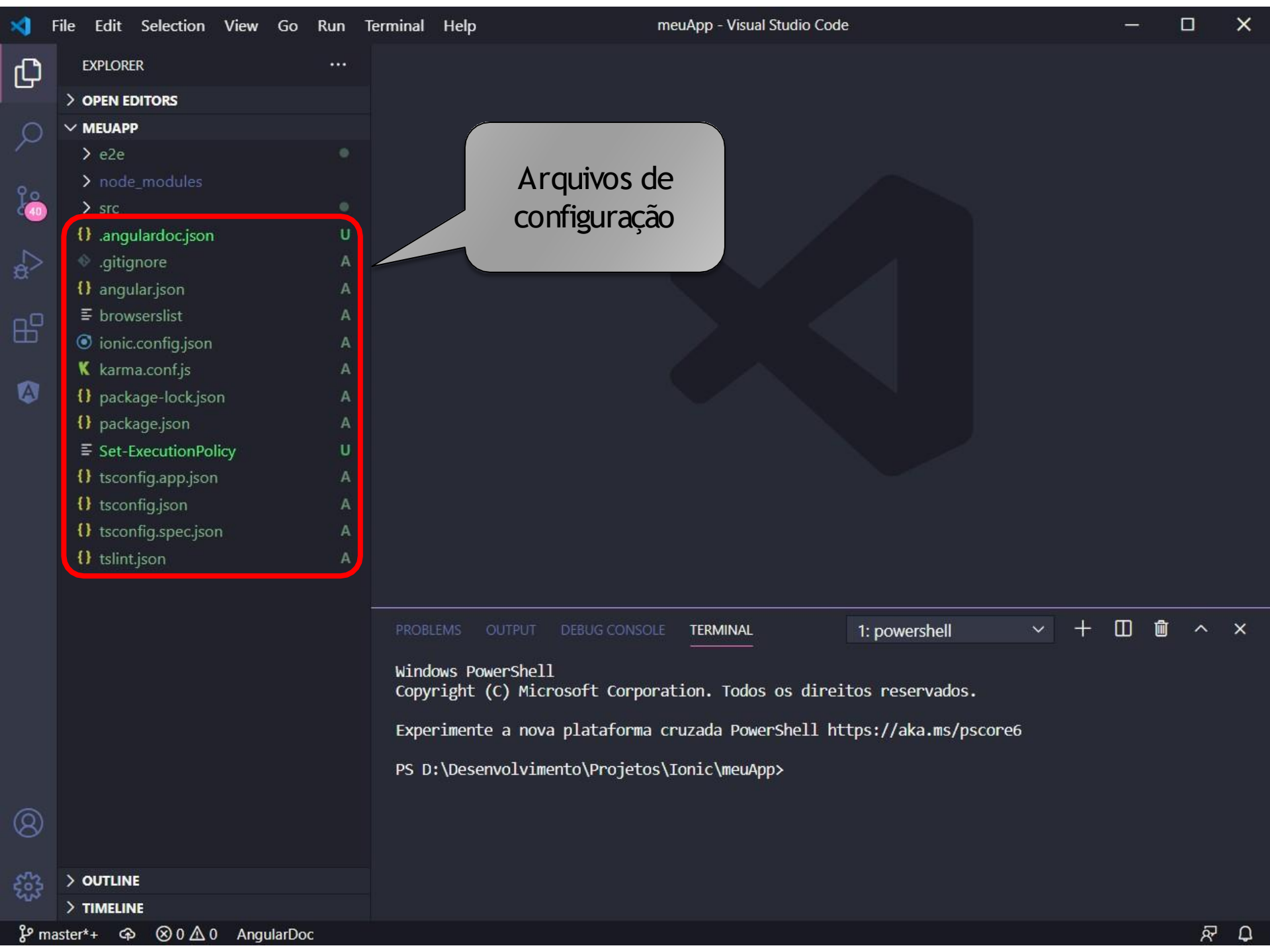
Copyright (C) Microsoft Corporation. Todos os direitos reservados.

Experimente a nova plataforma cruzada PowerShell <https://aka.ms/pscore6>

PS D:\Desenvolvimento\Projetos\Ionic\meuApp>







Arquivos de  
configuração

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: powershell

Windows PowerShell

Copyright (C) Microsoft Corporation. Todos os direitos reservados.

Experimente a nova plataforma cruzada PowerShell <https://aka.ms/pscore6>

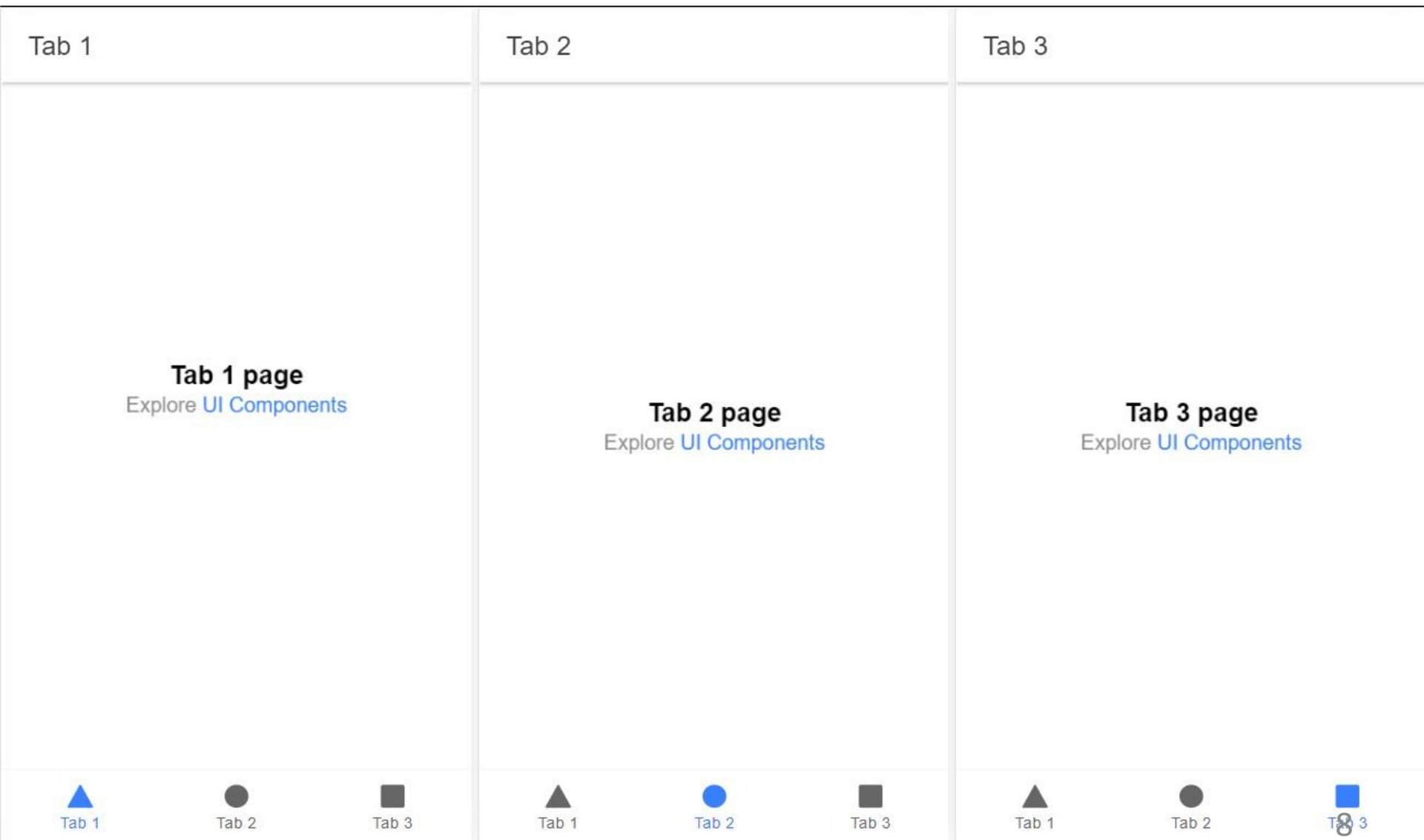
PS D:\Desenvolvimento\Projetos\Ionic\meuApp>

> OUTLINE

> TIMELINE

master\*+ 0 0 AngularDoc

Vamos traduzir...





File

Edit

Selection

View

Go

Run

Terminal

Help

tab1.page.html - AppTabs - Visual Studio Code

tab1.page.html X

tab2.page.html

tab3.page.html

explore-container.compon

EXPLORER

OPEN EDITORS

APPTABS

- e2e
- node\_modules
- src
  - app
    - explore-container
      - tab1
        - tab1-routing.module.ts A
        - tab1.module.ts A
        - tab1.page.html M
        - tab1.page.scss A
        - tab1.page.spec.ts A
        - tab1.page.ts A
      - tab2
        - tab2-routing.module.ts A
        - tab2.module.ts A
        - tab2.page.html M
        - tab2.page.scss A
        - tab2.page.spec.ts A
        - tab2.page.ts A
      - tab3
        - tab3-routing.module.ts A
        - tab3.module.ts A
        - tab3.page.html M
        - tab3.page.scss A
        - tab3.page.spec.ts A
        - tab3.page.ts A
      - tabs
      - app-routing.module.ts A

OUTLINE

TIMELINE

src > app > tab1 > tab1.page.html > ...

```
1 <ion-header [translucent]="true">
2   <ion-toolbar>
3     <ion-title>
4       Tabela 1
5     </ion-title>
6   </ion-toolbar>
7 </ion-header>
8
9 <ion-content [fullscreen]="true">
10   <ion-header collapse="condense">
11     <ion-toolbar>
12       <ion-title size="large">Tabela 1</ion-title>
13     </ion-toolbar>
14   </ion-header>
15
16   <app-explore-container name="Página da Tabela 1"></app-explore-container>
17 </ion-content>
18
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: node

```
[ng] Time: 745ms
[ng] : Compiled successfully.
[ng] Date: 2020-11-06T13:21:37.067Z - Hash: 2292b68cd8e90299d0a4
[ng] 63 unchanged chunks
[ng] chunk {tab3-tab3-module} tab3-tab3-module.js, tab3-tab3-module.js.map (tab3-tab3-module) 7.
63 kB [rendered]
[ng] Time: 413ms
[ng] : Compiled successfully.
[ng] Date: 2020-11-06T13:22:46.632Z - Hash: 2292b68cd8e90299d0a4
[ng] 64 unchanged chunks
[ng] Time: 645ms
[ng] : Compiled successfully.
```

Ln 18, Col 1 Spaces: 2 UTF-8 LF HTML Prettier 9

FileEditSelectionViewGoRunTerminalHelp

tab2.page.html - AppTabs - Visual Studio Code

EXPLORERTab1.tab2.tab3.explore-container

OPEN EDITORS

APPTABS

e2enode\_modulessrcappexplore-containertab1tab2

tab2-routing.module.tsA

tab2.module.tsA

tab2.page.htmlM

tab2.page.scssAtab2.page.spec.tsAtab2.page.tsAtab3tab3-routing.module.tsAtab3.module.tsAtab3.page.htmlMtab3.page.scssAtab3.page.spec.tsAtab3.page.tsAtabsapp-routing.module.tsAapp.component.htmlAapp.component.scssAapp.component.spec.tsAapp.component.tsAapp.module.tsassets

OUTLINE

TIMELINE

tab1.tab2.tab3.explore-container

src > app > tab2 > tab2.page.html > ...

1<ion-header [translucent]="true">

2<ion-toolbar>

3<ion-title>

4Tabela 2

5</ion-title>

6</ion-toolbar>

7</ion-header>

8

9<ion-content [fullscreen]="true">

10<ion-header collapse="condense">

11<ion-toolbar>

12<ion-title size="large">Tabela 2</ion-title>

13</ion-toolbar>

14</ion-header>

15

16<app-explore-container name="Página da Tabela 2"></app-explore-container>

17</ion-content>

18

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

1: node

[ng] Time: 745ms

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:21:37.067Z - Hash: 2292b68cd8e90299d0a4

[ng] 63 unchanged chunks

[ng] chunk {tab3-tab3-module} tab3-tab3-module.js, tab3-tab3-module.js.map (tab3-tab3-module) 7.

63 kB [rendered]

[ng] Time: 413ms

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:22:46.632Z - Hash: 2292b68cd8e90299d0a4

[ng] 64 unchanged chunks

[ng] Time: 645ms

[ng] : Compiled successfully.

master\*+000{}:20AngularDoc

Ln 18, Col 1Spaces: 2UTF-8LFHTMLPrettier

10



FileEditSelectionViewGoRunTerminalHelp

tab3.page.html - AppTabs - Visual Studio Code

EXPLORERTab1.page.htmlTab2.page.htmlTab3.page.htmlXexplore-container.compon

OPEN EDITORS

APPTABS

e2enode\_modules

src

app

explore-container

tab1

TS tab1-routing.module.tsA

TS tab1.module.tsA

tab1.page.htmlM

tab1.page.scssA

TS tab1.page.spec.tsA

TS tab1.page.tsA

tab2

TS tab2-routing.module.tsA

TS tab2.module.tsA

tab2.page.htmlM

tab2.page.scssA

TS tab2.page.spec.tsA

TS tab2.page.tsA

tab3

TS tab3-routing.module.tsA

TS tab3.module.tsA

tab3.page.htmlM

tab3.page.scssA

TS tab3.page.spec.tsA

TS tab3.page.tsA

tabs

TS app-routing.module.tsA

OUTLINE

TIMELINE

src > app > tab3 > tab3.page.html > ...

1<ion-header [translucent]="true">

2<ion-toolbar>

3<ion-title>

4Tabela 3

5</ion-title>

6</ion-toolbar>

7</ion-header>

8

9<ion-content [fullscreen]="true">

10<ion-header collapse="condense">

11<ion-toolbar>

12<ion-title size="large">Tabela 3</ion-title>

13</ion-toolbar>

14</ion-header>

15

16<app-explore-container name="Página da Tabela 3"></app-explore-container>

17</ion-content>

18

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

1: node

[ng] Time: 745ms

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:21:37.067Z - Hash: 2292b68cd8e90299d0a4

[ng] 63 unchanged chunks

[ng] chunk {tab3-tab3-module} tab3-tab3-module.js, tab3-tab3-module.js.map (tab3-tab3-module) 7.

[ng] 63 kB [rendered]

[ng] Time: 413ms

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:22:46.632Z - Hash: 2292b68cd8e90299d0a4

[ng] 64 unchanged chunks

[ng] Time: 645ms

[ng] : Compiled successfully.

Ln 18, Col 1Spaces: 2UTF-8LFHTMLPrettier

11

EXPLORES

APPTABS

src > app > explore-container > explore-container.component.html > div#container > p > a

explore-container.component.html

1 <div id="container">

2 <strong>{{ name }}</strong>

3 <p>Explore os <a target="\_blank" rel="noopener noreferrer" href="https://i

4 </div>

explore-container.component.html

explore-container.component.html

explore-container.component.html

explore-container.component.html

explore-container.module.ts

tab1

tab1-routing.module.ts

tab1.module.ts

tab1.page.html

tab1.page.scss

tab1.page.spec.ts

tab1.page.ts

tab2

tab3

tabs

app-routing.module.ts

app.component.html

app.component.scss

app.component.spec.ts

app.component.ts

app.module.ts

assets

environments

OUTLINE

TIMELINE

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: node

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:07:55.937Z - Hash: ef8badcaa4d089412d8f

[ng] 63 unchanged chunks

[ng] chunk {common} common.js, common.js.map (common) 20.4 kB [rendered]

[ng] Time: 574ms

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:08:18.934Z - Hash: 7e4a5e0075e6d2c84a9c

[ng] 63 unchanged chunks

[ng] chunk {tab1-tab1-module} tab1-tab1-module.js, tab1-tab1-module.js.map (tab1-tab1-module) 7.29 kB [rendered]

[ng] Time: 381ms

[ng] : Compiled successfully.

master\*+ 0 0 0 {.: 20 AngularDoc Ln 3, Col 17 Spaces: 2 UTF-8 LF HTML Prettier 12

FileEditSelectionViewGoRunTerminalHelp

tab1.page.htmltab2.page.htmltab3.page.htmltabs.page.html

EXPLORER

APPTABS

src > app > tabs > tabs.page.html

1<ion-tabs>

2

3<ion-tab-bar slot="bottom">

4<ion-tab-button tab="tab1">

5<ion-icon name="triangle"></ion-icon>

6<ion-label>Tabela 1</ion-label>

7</ion-tab-button>

8

9<ion-tab-button tab="tab2">

10<ion-icon name="ellipse"></ion-icon>

11<ion-label>Tabela 2</ion-label>

12</ion-tab-button>

13

14<ion-tab-button tab="tab3">

15<ion-icon name="square"></ion-icon>

16<ion-label>Tabela 3</ion-label>

17</ion-tab-button>

18</ion-tab-bar>

19

20</ion-tabs>

21

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: node

[ng] Time: 413ms

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:22:46.632Z - Hash: 2292b68cd8e90299d0a4

[ng] 64 unchanged chunks

[ng] Time: 645ms

[ng] : Compiled successfully.

[ng] Date: 2020-11-06T13:27:38.936Z - Hash: 72cfd306a8affc215f06

[ng] 63 unchanged chunks

[ng] chunk {tabs-tabs-module} tabs-tabs-module.js, tabs-tabs-module.js.map (tabs-tabs-module) 8.

29 kB [rendered]

[ng] Time: 702ms

[ng] : Compiled successfully.

master\*+

00

{.}: 20

AngularDoc

Ln 21, Col 1

Spaces: 2

UTF-8

LF

HTML

Prettier

13



# Traduzido

Tabela 1

Tabela 2

Tabela 3

## Página da Tabela 1

Explore os [Componentes de interface do Ionic](#)

## Página da Tabela 2

Explore os [Componentes de interface do Ionic](#)

## Página da Tabela 3

Explore os [Componentes de interface do Ionic](#)

  
Tabela 1

  
Tabela 2

  
Tabela 3

  
Tabela 1

  
Tabela 2

  
Tabela 3

  
Tabela 1

  
Tabela 2

  
Tabela 3

# Vamos alterar os ícones

Tabela 1

Tabela 2

Tabela 3

## Página da Tabela 1

Explore os [Componentes de interface do Ionic](#)

## Página da Tabela 2

Explore os [Componentes de interface do Ionic](#)

## Página da Tabela 3

Explore os [Componentes de interface do Ionic](#)



Tabela 1



Tabela 2



Tabela 3



Tabela 1



Tabela 2



Tabela 3



Tabela 1



Tabela 2



Tabela 3



## Ícones

- Para alterar um ícone devemos mudar seu nome
- `<ion-icon name="NOME"></ion-icon>`
- Podemos encontrar uma lista de vários ícones prontos em:
  - <https://ionicons.com>

# Alterando os ícones

Tabela 1

Tabela 2

Tabela 3

## Página da Tabela 1

Explore os [Componentes de interface do Ionic](#)

## Página da Tabela 2

Explore os [Componentes de interface do Ionic](#)

## Página da Tabela 3

Explore os [Componentes de interface do Ionic](#)



Tabela 1



Tabela 2



Tabela 3



Tabela 1



Tabela 2



Tabela 3



Tabela 1












Tabela 2



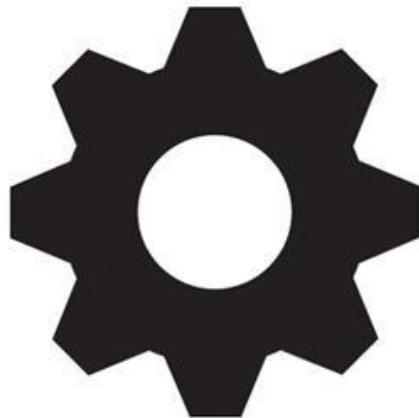
Tabela 3

# Alterando os ícones

Home	Procurar	Adicionar
<p><b>Página da Tabela 1</b></p> <p>Explore os <a href="#">Componentes de interface do Ionic</a></p>	<p><b>Página da Tabela 2</b></p> <p>Explore os <a href="#">Componentes de interface do Ionic</a></p>	<p><b>Página da Tabela 3</b></p> <p>Explore os <a href="#">Componentes de interface do Ionic</a></p>
 Home	 Procurar	 Adicionar
 Home	 Procurar	 Adicionar
 Home	 Procurar	 Adicionar

## Ícones Externos

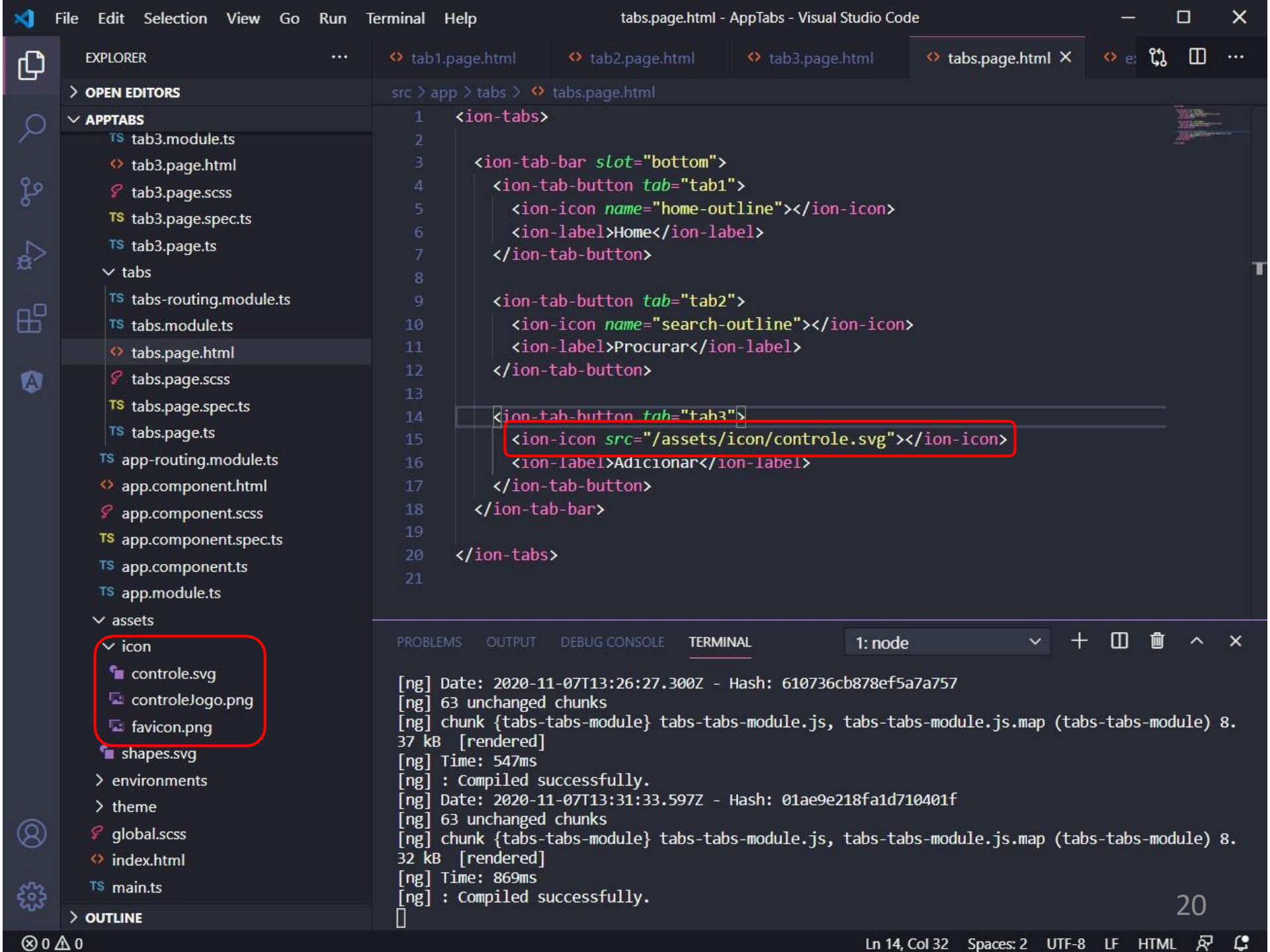
- Adicionar ícones externos
- <https://icon-icons.com>
- Opte sempre que possível por SVG



SVG



PNG



# Referências

LEE, V.; SCHENEIDER, H.; SCHELL, R. **Aplicações móveis: arquitetura, projeto e desenvolvimento**. São Paulo: Pearson Education: Makron Books, 2015.

Obrigado!

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