



FORMATION MINET ASTRO

FRAMEWORK POUR LE DEV WEB

**MODULAIRE (PERMET DE CRÉER DES PAGES EN REPRENANT DES
ÉLÉMENTS DÉJÀ FAITS)**



TRÈS OPTIMISÉ, NOTAMMENT POUR LES SITES WEB STATIQUES

APPROPRIÉ DANS LE CADRE D'UNE DÉMARCHE D'ÉCO-CONCEPTION



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EXEMPLE DE SITE TROP BIEN EN ASTRO

**Nous sommes
le FAI | étudiant
de Télécom SudParis**

MiNET est l'association étudiante loi de 1901 qui gère le réseau informatique de la résidence étudiante de Télécom SudParis et d'Institut Mines-Télécom Business School depuis 1991.



[Cotiser](#)

[Nous découvrir](#)

PRÉREQUIS



svelte v1.0.0

1YiB | 297,345 | ★★☆☆☆ (2)

extensions for svelte

Installing



Auto Update



Astro v2.15.4

Astro astro.build | 824,724 | ★★

Language support for Astro

Disable



Uninstall



Auto Update



Tailwind CSS IntelliSense v0.14.1

Tailwind Labs tailwindcss.com | 8,878,619 | ★★★

Intelligent Tailwind CSS tooling for VS Code

Disable



Uninstall



Auto Update



PRÉREQUIS

```
sherlock@sherlock-1337:~$ sudo apt install nodejs  
sherlock@sherlock-1337:~$ sudo apt install npm
```

PUIS

```
sherlock@sherlock-1337:~$ npm install --global yarn
```

```
(env) sherlock@sherlock-1337:~$ yarn create astro
yarn create v1.22.22
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
[4/4] Building fresh packages...

success Installed "create-astro@4.11.0" with binaries:
  - create-astro
[#####] 31/31
astro Launch sequence initiated.

dir Where should we create your new project?
  ./steadfast-saturn

tmpl How would you like to start your new project?
  A basic, minimal starter

deps Install dependencies?
  Yes

git Initialize a new git repository?
  No
  ■ Sounds good! You can always run git init manually.

Project initializing...
  ■ Template copied
  ► Dependencies installing with yarn...
```

LANCEZ LA COMMANDE “YARN CREATE ASTRO”

**CHOISISSEZ VOTRE RÉPERTOIRE DE TRAVAIL ET
SON NOM**

PUIS MINIMAL STARTER

YES À INSTALL DEPENDENCIES

PAS OBLIGATOIRE DE GITER LE REPO

```
(env) sherlock@sherlock-1337:~$ cd steadfast-saturn/
(env) sherlock@sherlock-1337:~/steadfast-saturn$ yarn dev
yarn run v1.22.22
warning package.json: No license field
$ astro dev
► Astro collects anonymous usage data.
  This information helps us improve Astro.
  Run "astro telemetry disable" to opt-out.
  https://astro.build/telemetry

16:45:52 [types] Generated 0ms
16:45:52 [content] Syncing content
16:45:52 [content] Synced content

astro v5.1.10 ready in 216 ms

| Local    http://localhost:4321/
| Network  use --host to expose

16:45:52 watching for file changes...
□
```

DÉPLACEZ VOUS DANS VOTRE RÉPERTOIRE DE TRAVAIL
PUIS LANCEZ “YARN DEV”

VOTRE SITE EST MAINTENANT DÉPLOYÉ
LOCALEMENT ET LES CHANGEMENTS
ÉVOLUERONT EN LIVE

VOTRE SITE DEVRAIT RESSEMBLER À ÇA POUR LE MOMENT



To get started, open the `src/pages` directory in your project.

[Read our docs](#)

Join our Discord 



What's New in Astro 5.0?

From content layers to server islands, click to learn more about the new features and improvements in Astro 5.0

AVANT D'ALLER PLUS LOIN DANS L'EXPLORATION DU FONCTIONNEMENT

DITES OUI À TOUT

```
sherlock@sherlock-1337:~/steadfast-saturn$ yarn astro add tailwind
yarn run v1.22.22
warning package.json: No license field
$ astro add tailwind
✓ Resolving packages...
```

Astro will run the following command:
If you skip this step, you can always run it yourself later

```
yarn add @astrojs/tailwind@^5.1.5 tailwindcss@^3.4.17
```

```
✓ Continue? ... yes
✓ Installing dependencies...
```

Astro will generate a minimal `./tailwind.config.mjs` file.

```
✓ Continue? ... yes
```

Astro will make the following changes to your config file:

```
astro.config.mjs
// @ts-check
import { defineConfig } from 'astro/config';

import tailwind from '@astrojs/tailwind';

// https://astro.build/config
export default defineConfig({
  integrations: [tailwind()]
});
```

```
✓ Continue? ... yes
```

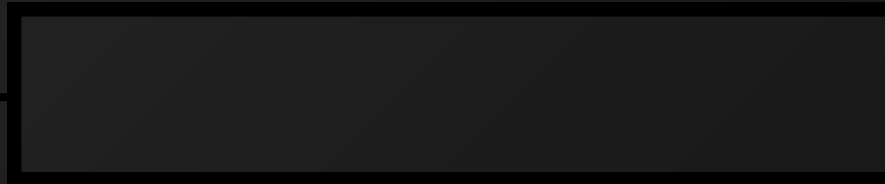
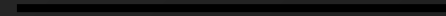
```
success Added the following integration to your project:
- @astrojs/tailwind
Done in 43.19s.
```

LA STRUCTURE DU PROJET

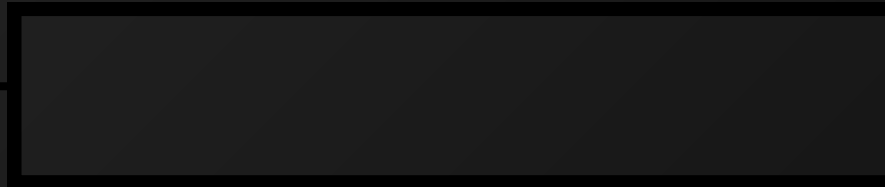
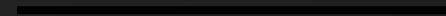
OSEF



IMAGES, JSON...



CODE SOURCE



OSEF



POUR LE CSS : TAILWIND <3

```
<style>
```

```
  h1{
```

```
    background-color: ■ aqua;
```

```
    font-size: xx-large;
```

```
  }
```

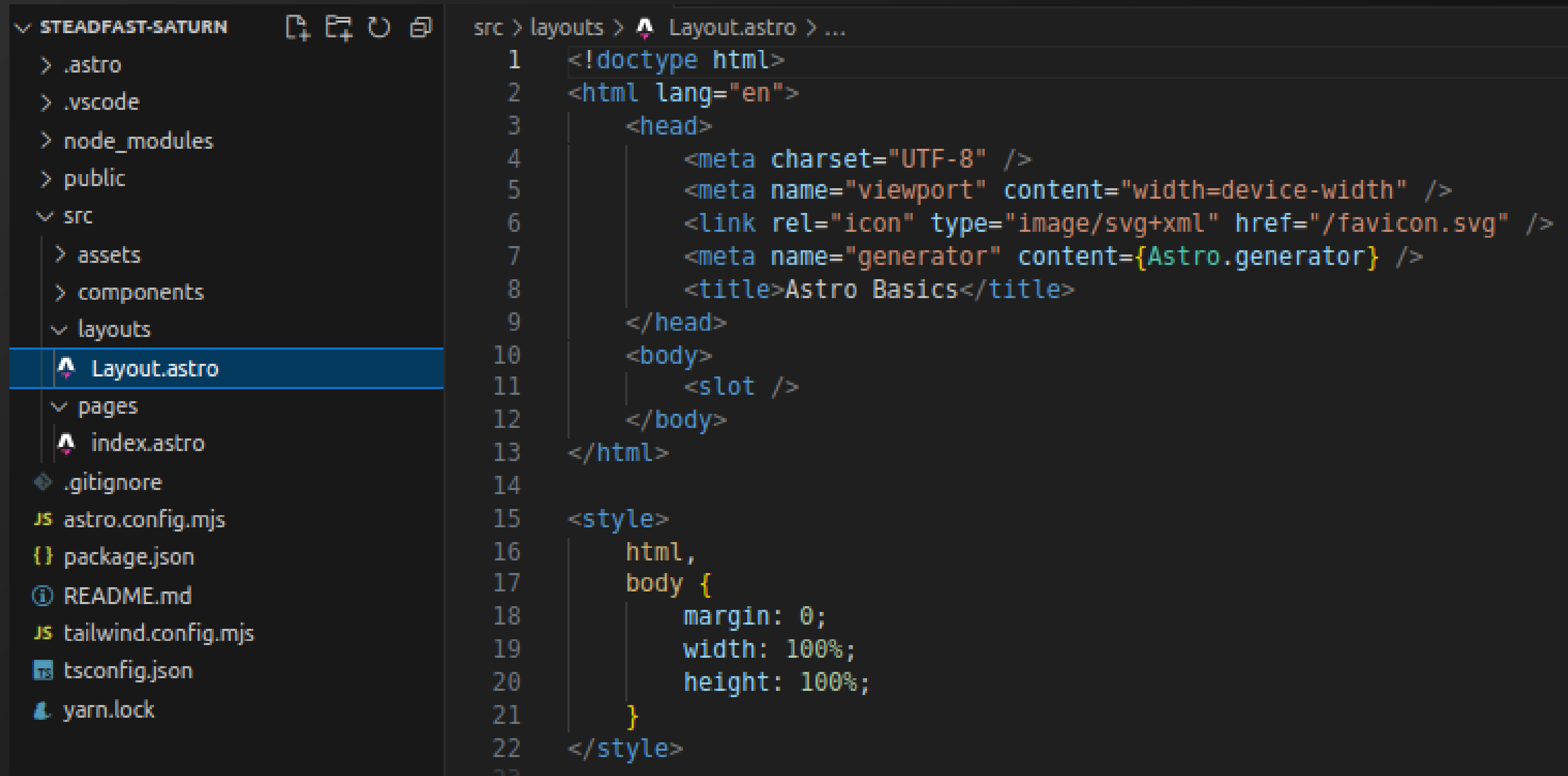
```
</style>
```



```
<h1 class="■ bg-cyan-400 text-xl">Astro</h1>
```

C'EST QUAND MÊME PLUS COMPACT

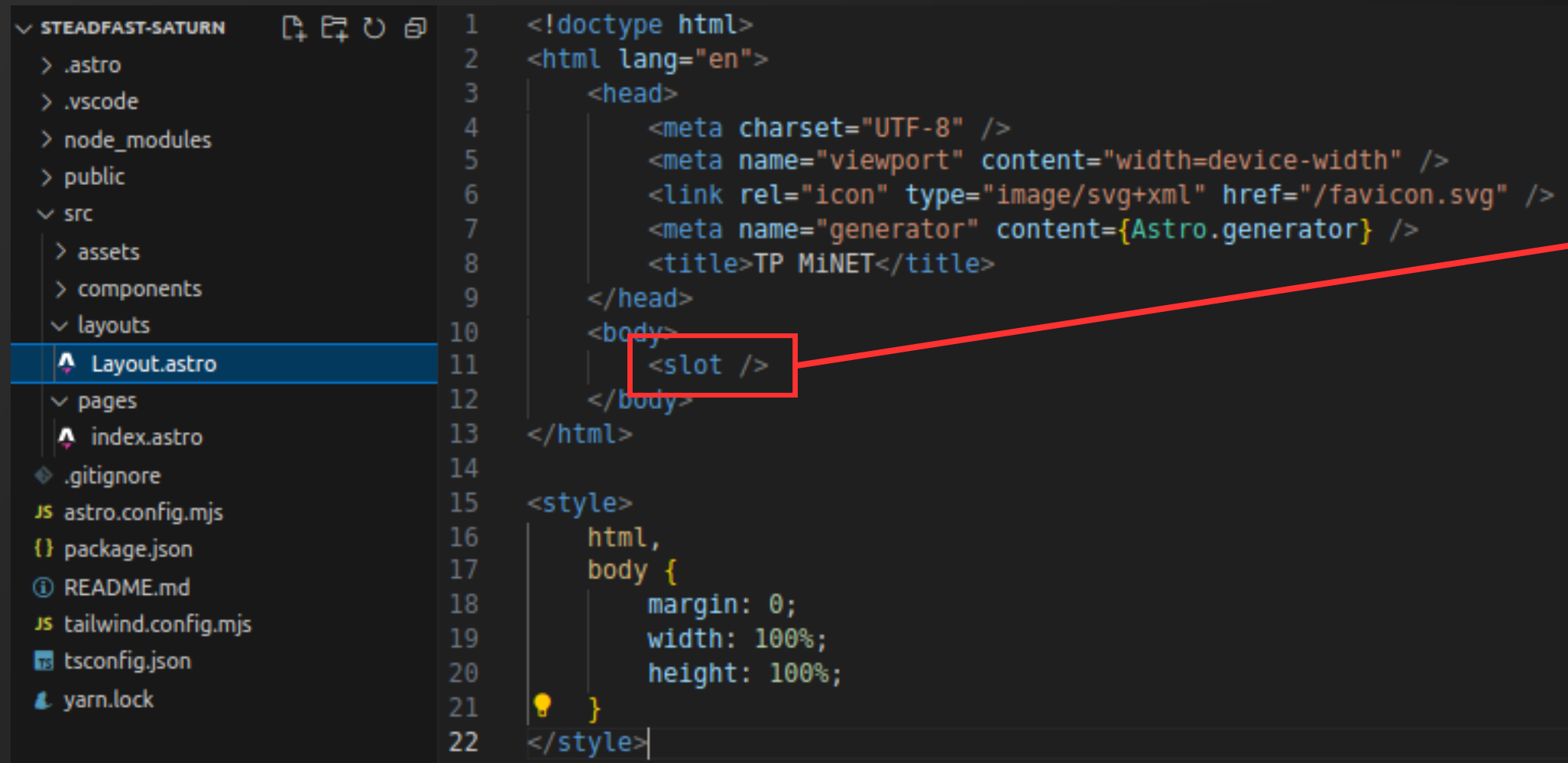
CRÉONS NOTRE PREMIER LAYOUT !



The image shows a VS Code editor window. On the left is the file explorer for a project named 'STEADFAST-SATURN'. The 'src' directory is expanded, showing subdirectories like 'assets', 'components', and 'layouts'. The 'Layout.astro' file in the 'layouts' directory is selected and highlighted. On the right, the code editor displays the content of 'Layout.astro'. The code is a template for an HTML document, including a doctype, html, head, and body tags. The head contains meta tags for charset, viewport, icon, and generator, as well as a title 'Astro Basics'. The body contains a single slot. A style block is also present, setting the margin to 0, width to 100%, and height to 100% for the html and body elements.

```
src > layouts > Layout.astro > ...
1  <!doctype html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta name="viewport" content="width=device-width" />
6      <link rel="icon" type="image/svg+xml" href="/favicon.svg" />
7      <meta name="generator" content={Astro.generator} />
8      <title>Astro Basics</title>
9    </head>
10   <body>
11     <slot />
12   </body>
13 </html>
14
15 <style>
16   html,
17   body {
18     margin: 0;
19     width: 100%;
20     height: 100%;
21   }
22 </style>
23
```

CRÉONS NOTRE PREMIER LAYOUT !



```
1 <!doctype html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width" />
6     <link rel="icon" type="image/svg+xml" href="/favicon.svg" />
7     <meta name="generator" content={Astro.generator} />
8     <title>TP MiNET</title>
9   </head>
10  <body>
11    <slot />
12  </body>
13 </html>
14
15 <style>
16   html,
17   body {
18     margin: 0;
19     width: 100%;
20     height: 100%;
21   }
22 </style>
```

CONTENU DE LA PAGE

UTILISATION DU LAYOUT

src > pages >  index.astro > ...

1 ---

2 import Layout from '../layouts/Layout.astro';

3

4 ---

5

6 <Layout>

7

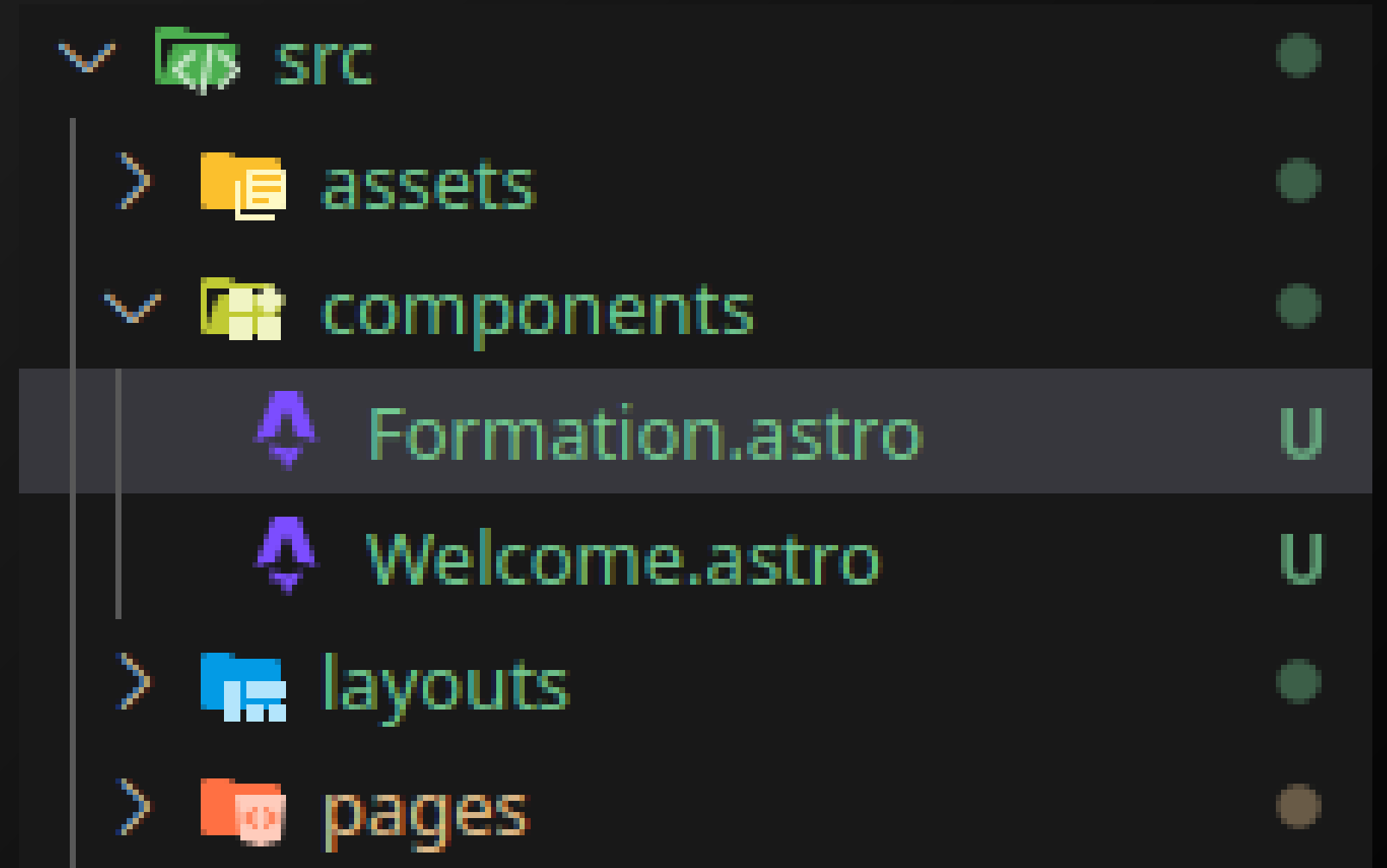
8 </Layout>

**CONTENU DU <SLOT />
QUE L'ON VA REMPLIR
AVEC DES COMPONENTS**

EN PARLANT DE COMPONENTS...

CRÉONS DES COMPONENTS !

MÊME IDÉE QUE POUR LES LAYOUTS,
MAIS DANS LE RÉPERTOIRE "COMPONENTS"



CONTENU DE "FORMATION.ASTRO"

```
---  
const {name, link} = Astro.props  
---  
  
<div class="mx-auto mt-3 text-center">  
  <img src={link} width="300" height="424">  
  <p class="font-bold text-xl">{name}</p>  
</div>
```

C'EST QUOI CE CODE ?

**C'EST QUOI CES
{BLABLABLA} ?**

CONTENU DE "FORMATION.ASTRO" - BIS

```
---  
const {name, link} = Astro.props  
---
```

```
<div class="mx-auto mt-3 text-center">  
  <img src={link} width="300" height="424">  
  <p class="font-bold text-xl">{name}</p>  
</div>
```

**PERMET DE
PERSONNALISER NOS
COMPONENTS**

**{X} : RENVOIE LE CONTENU
DE LA VARIABLE X**

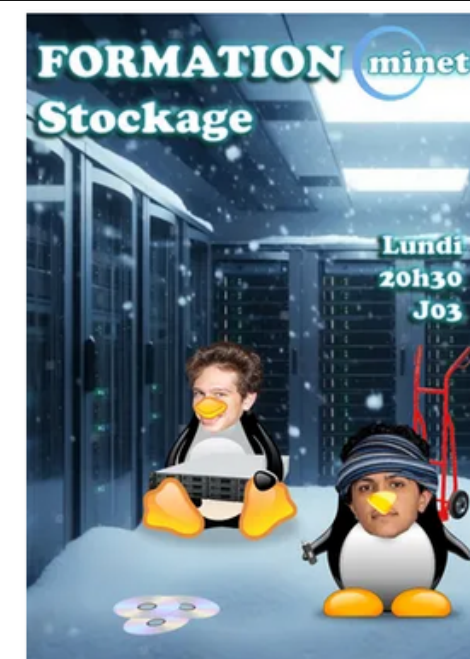
CONTENU DE INDEX.ASTRO

```
1  ---
2  import Formation from '../components/Formation.astro';
3  import Layout from '../layouts/Layout.astro';
4  // Welcome to Astro! Wondering what to do next? Check out the Astro documenta
5  // Don't want to use any of this? Delete everything in this file, the assets,
6  ---
7  <Layout>
8  <div class="flex">
9  <Formation name="Astro" link="src/assets/gastro.jpg"></Formation>
10 <Formation name="Stockage" link="src/assets/grillade.webp"></Formation>
11 <Formation name="Java" link="src/assets/tuBluffMartoni.png"></Formation>
12 </div>
13 </Layout>
```

LE SITE :



Astro



Stockage



Java

UN PEU DE STYLE

```
src > components > 🌟 Cards.astro > ...
1  ---
2  const {name, image} = Astro.props
3  ---
4
5  <div class="mx-2 my-4 rounded-xl flex flex-col space-y-8 h-40 w-auto 🟠bg-orange-200 🟡hover:from-cyan-500 🟡hover:to-yellow-300 hover:shadow-xl">
6    <img class="🟡text-purple-950 width="80" height="200" alt="Oui" src={image} />
7    <div class="whitespace-normal">Ceci est une description</div>
8    <a class="m-2 px-4 hover:shadow-lg py-2 font-semibold text-sm 🟡bg-purple-700 rounded-lg shadow-sm w-fit" href="http://minet.net">
9      |   Read more about {name}&rarr;
10   </a>
11 </div>
```

RÉSULTAT :



Ceci est une description

Read more about MINET →



Ceci est une description

Read more about MINETTE →



Ceci est une description

Read more about Mine êtes →



Ceci est une description

Read more about Demi-NET →



Ceci est une description

Read more about SeMINET →

IL FAUT VRAIMENT RECOPIER LE CODE POUR CHAQUE CARTE ?

(NON)

```
---
import Formation from '../components/Formation.astro';
// Welcome to Astro! Wondering what to do next? Check out the /
// Don't want to use any of this? Delete everything in this file
const formas = [
  {name:"Astro", link:"src/assets/gastro.jpg"},
  {name:"Stockage", link:"src/assets/grillade.webp"},
  {name:"Java", link:"src/assets/tuBluffMartoni.png"},
]
---

<div class="flex">
{
  formas.map((forma) =>
    <Formation name={forma.name} link={forma.link}></Formation>
  )
}
</div>
```

LES STRUCTURES CONDITIONNELLES

```
{
  formas.map((forma)=>
    (forma.name=="Astro" && <Formation name={forma.name} link={forma.link}></Formation>))
})
```



Astro

LES CODES UTILISÉS : LAYOUT.ASTRO

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width" />
    <link rel="icon" type="image/svg+xml" href="/favicon.svg" />
    <title>TP MiNET</title>
  </head>
  <body>
    <slot />
  </body>
</html>
```

```
<style>
html,
body {
margin: 0;
width: 100%;
height: 100%;
}
</style>
```

LES CODES UTILISÉS : CARDS.ASTRO

```
---  
const {name, image} = Astro.props  
---  
  
<div class="mx-2 my-4 rounded-xl flex flex-col space-y-8 h-40 w-auto bg-orange-200  
hover:from-cyan-500 hover:to-yellow-300 hover:shadow-xl">  
  <img class="text-purple-950" width="80" height="200" alt="Oui" src={image} />  
  <div class="whitespace-normal">Ceci est une description</div>  
  <a class="m-2 px-4 hover:shadow-lg py-2 font-semibold text-sm bg-purple-700 rounded-lg  
shadow-sm w-fit" href="http://minet.net">  
    Read more about {name}&rarr;  
  </a>  
</div>
```

LES CODES UTILISÉS : INDEX.ASTRO UTILISANT CARDS.ASTRO

```
---  
import Layout from '../layouts/Layout.astro';  
import Cards from '../components/Cards.astro';  
  
---
```

```
<Layout>  
  <Cards name={"MiNET"} image={"../src/assets/astro.svg"} />  
  <Cards name={"MiNETTE"} image={"../src/assets/astro.svg"} />  
  <Cards name={"Mine êtes"} image={"../src/assets/astro.svg"} />  
  <Cards name={"Demi-NET"} image={"../src/assets/astro.svg"} />  
  <Cards name={"SeMiNET"} image={"../src/assets/astro.svg"} />  
  <Cards name={"MiNOU"} image={"../src/assets/astro.svg"} />  
</Layout>
```

LES CODES UTILISÉS : FORMATION.ASTRO

```
---  
const {name, link} = Astro.props  
---  
  
<div class="mx-auto mt-3 text-center">  
  <img src={link} width="300" height="424">  
  <p class="font-bold text-xl">{name}</p>  
</div>
```

LES CODES UTILISÉS : INDEX.ASTRO POUR FORMATION.ASTRO

```
---
import Formation from '../components/Formation.astro';
import Layout from '../layouts/Layout.astro';
// Welcome to Astro! Wondering what to do next? Check out the Astro documentation at https://docs.astro.build/
// Don't want to use any of this? Delete everything in this file, the assets, components, and layouts directories, and start fresh.
---
<Layout>
<div class="flex">
<Formation name="Astro" link="src/assets/gastro.jpg"></Formation>
<Formation name="Stockage" link="src/assets/grillade.webp"></Formation>
<Formation name="Java" link="src/assets/tuBluffMartoni.png"></Formation>
</div>
</Layout>
```

LES CODES UTILISÉS : INDEX.ASTRO POUR FORMATION.ASTRO

```
---
import Formation from '../components/Formation.astro';
import Layout from '../layouts/Layout.astro';
// Welcome to Astro! Wondering what to do next? Check out the Astro documentation at https://docs.astro.build/
// Don't want to use any of this? Delete everything in this file, the assets, components, and layouts directories, and start fresh.
const formas = [
  {name:"Astro", link:"src/assets/gastro.jpg"},
  {name:"Stockage", link:"src/assets/grillade.webp"},
  {name:"Java", link:"src/assets/tuBluffMartoni.png"},
]
---
<Layout>
<div class="flex">
{
  formas.map((forma)=>(
    (forma.name=="Astro" && <Formation name={forma.name} link={forma.link}></Formation>))
  )}
</div>
</Layout>
```