

Angular

Chapitre 2: Mise en place
d'un projet Angular

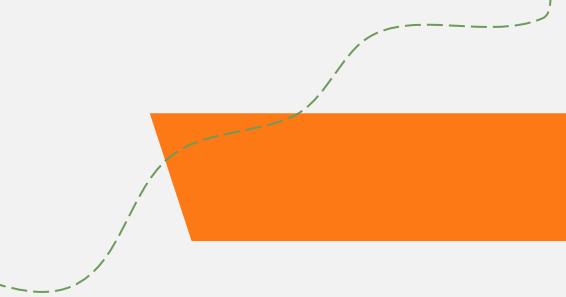
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Licence 3

Université Amadou Hampaté BA de Dakar

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Plan



1. NPM
 2. Angular CLI
 3. Nouveau projet
 4. Hello World
- 

NPM

npm est le plus grand registre de logiciels au monde. Le registre contient plus de 800 000 packages de code. Les développeurs open source utilisent npm pour partager des logiciels. De nombreuses organisations utilisent également npm pour gérer le développement privé.

NPM: installation

Pour obtenir **NPM**, il suffit d'installer **NodeJS** qui est support multi-plateforme

The screenshot shows the official Node.js website. At the top, there's a dark header with the Node.js logo and navigation links for HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, and NEWS. Below the header, a large banner features the Node.js logo and the text "Node.js 19 is now live!". In the center, there's a call-to-action button for "Download for Windows (x64)". Two green buttons below it offer "16.18.0 LTS" (Recommended For Most Users) and "19.0.0 Current" (Latest Features). At the bottom, there are links for "Other Downloads | Changelog | API Docs" for each version.

Node.js® is an open-source, cross-platform JavaScript runtime environment.

Node.js 19 is now live!

Download for Windows (x64)

16.18.0 LTS
Recommended For Most Users

19.0.0 Current
Latest Features

Other Downloads | Changelog | API Docs Other Downloads | Changelog | API Docs

For information about supported releases, see the [release schedule](#).

<https://nodejs.org>

Angular CLI

La Angular CLI est un outil de **ligne de commande** utilisé pour initialiser, développer et maintenir des applications Angular directement à partir d'un shell de commande.

Angular CLI: Installation

```
npm install -g @angular/cli
```

Nouveau projet: création

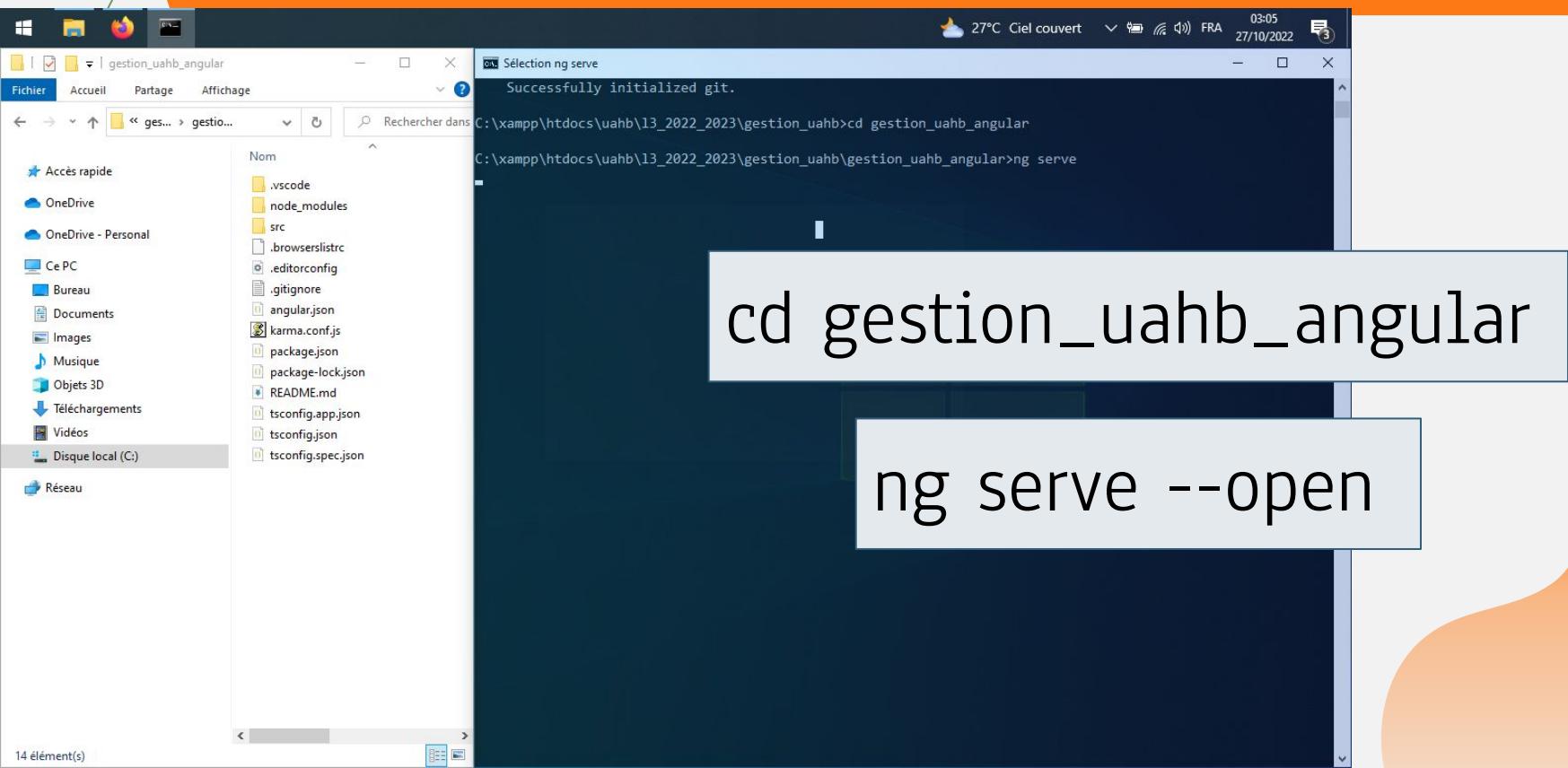
The screenshot shows a Windows desktop environment. On the left, a File Explorer window is open with a folder named "gestion_uahb" selected. On the right, a Command Prompt window is open, showing the output of the command "ng new gestion_uahb-angular". The output includes a prompt from Google about sharing pseudonymous usage data, followed by a message thanking the user for sharing the data and providing a command to disable it. The command itself is shown as "ng analytics disable --global". The command prompt also lists the creation of various files and directories within the "gestion_uahb-angular" folder, such as ".gitignore", "karma.conf.js", "tsconfig.app.json", "tsconfig.spec.json", "extensions.json", "launch.json", "tasks.json", "favicon.ico", "index.html", "main.ts", "polyfills.ts", "styles.css", "test.ts", "assets/.gitkeep", "environments/environment.prod.ts", and "environments/environment.ts".

```
C:\xampp\htdocs\uahb\13_2022_2023\gestion_uahb>ng new gestion_uahb-angular
? Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. Yes
Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

    ng analytics disable --global

Global setting: enabled
Local setting: No local workspace configuration file.
Effective status: enabled
? Would you like to
? Which stylesheet
CREATE gestion_uahb
CREATE gestion_uahb/.gitignore (548 bytes)
CREATE gestion_uahb/.browserslistrc (600 bytes)
CREATE gestion_uahb/karma.conf.js (1437 bytes)
CREATE gestion_uahb/tsconfig.app.json (287 bytes)
CREATE gestion_uahb/tsconfig.spec.json (333 bytes)
CREATE gestion_uahb/.vscode/extensions.json (130 bytes)
CREATE gestion_uahb/.vscode/launch.json (474 bytes)
CREATE gestion_uahb/.vscode/tasks.json (938 bytes)
CREATE gestion_uahb/src/favicon.ico (948 bytes)
CREATE gestion_uahb/src/index.html (304 bytes)
CREATE gestion_uahb/src/main.ts (372 bytes)
CREATE gestion_uahb/src/polyfills.ts (2338 bytes)
CREATE gestion_uahb/src/styles.css (80 bytes)
CREATE gestion_uahb/src/test.ts (749 bytes)
CREATE gestion_uahb/src/assets/.gitkeep (0 bytes)
CREATE gestion_uahb/src/environments/environment.prod.ts (51 bytes)
CREATE gestion_uahb/src/environments/environment.ts (658 bytes)
```

Nouveau projet: démarrage



Nouveau projet: mode développement

A screenshot of a computer interface showing a web browser and a terminal window.

The browser window (Mozilla Firefox) displays a local Angular application at `localhost:4200`. The page title is "GestionUahbAngular". The main content area shows a "Resources" section with links to "Learn Angular", "CLI Documentation", "Angular Blog", and "Angular DevTools". Below this is a "Next Steps" section with buttons for "New Component", "Angular Material", "Add PWA Support", "Run and Watch Tests", and "Build for Production". A red circular icon with a white rocket ship contains the text "gestion_uahb Angular app is running!".

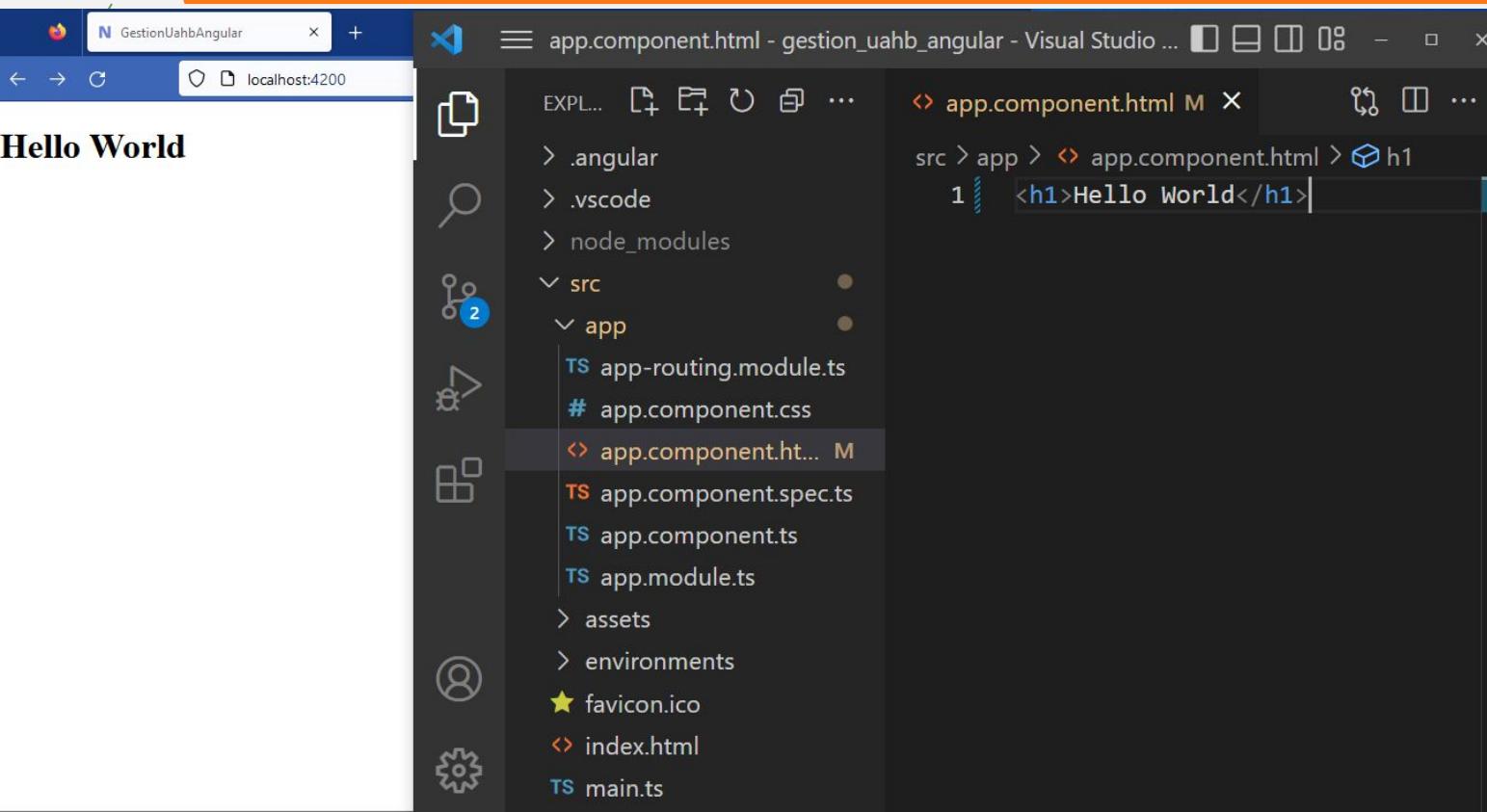
The terminal window (Windows Command Prompt) shows the output of an Angular build command:

```
Selection ng serve
at Google under Google's Privacy Policy at https://policies.google.com/privacy.
For more
details and how to change this setting, see https://angular.io/analytics. No
Global setting: enabled
Local setting: disabled
Effective status: disabled
✓ Browser application bundle generation complete.

Initial Chunk Files | Names          | Raw Size
vendor.js           | vendor         | 2.10 MB
polyfills.js        | polyfills      | 318.08 kB
styles.css, styles.js | styles         | 210.11 kB
main.js              | main           | 50.20 kB
runtime.js           | runtime        | 6.54 kB
| Initial Total | 2.67 MB

Build at: 2022-10-27T03:08:13.994Z - Hash: 5f9fe4074da91224 - Time: 51016ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
+ Add Dependency
✓ Compiled successfully.
```

Hello World





FIN

De chapitre

Pour plus de ressources, vous pouvez consulter:
<https://angular.io>
<https://blog.jant.tech>