1 Hola Angular

Introducción al desarrollo de aplicaciones web con Angular moderno.

1.1 Instalación del Angular CLI y generación de una aplicación.

1.1.1 Crear un proyecto nuevo: Activity Bookings

```
# Ensure node version
# https://nodejs.org/en/download
# https://angular.io/guide/versions

node -v
# Global install on your machine
npm i -g @angular/cli

# Modern app generation
ng new ActivityBookings
  --inline-style --inline-template --prefix=lab
  --ssr --style=css

# Or run with npx and options with aliases (- instead of --)
npx ng new ActivityBookings -s -t -p=lab --ssr --style=css
# Default mode with interactive prompts
ng new UnProyectoNuevo
# Minimalistic option
ng new UnProyectoNuevo --minimal
```

1.1.2 Árbol de ficheros y carpetas

```
.
├── .editorconfig
├── .gitignore
├── .vscode
│   ├── extensions.json
│   ├── launch.json
│   └── tasks.json
├── angular.json
├── package.json
├── README.md
├── src
```

```
│     ├── index.html
│     └── styles.css
├── tsconfig.app.json
├── tsconfig.json
└── tsconfig.spec.json
```

1.2 Comandos básicos para depurar y ejecutar aplicaciones.

1.2.1 Compilar y servir en modo producción

```
# Compile
ng build
# Serve from a static folder
"http-server":
  "npx http-server dist/activity-bookings/browser -c-1",
```

1.2.2 Ejecutar y actualizar aplicación en modo desarrollo

```
# npm start
ng serve
# Common options
ng server --open --force-esbuild
# Configuring browser
"chrome":
    "start chrome -incognito
    -auto-open-devtools-for-tabs <http://localhost:4200>",
"start": "npm run chrome && ng serve --force-esbuild",
```

1.3 Configuración del espacio de trabajo, editor y herramientas recomendadas.

1.3.1 Angular Essentials y DotFiles

https://github.com/AlbertoBasalo/dotfiles

1.3.2 EsLint y Prettier

```
ng add @angular-eslint/schematics
npm i prettier prettier-eslint eslint-config-prettier eslint-plugin-prettier -D
```

Prettier config

```json
{
  "endOfLine": "auto",
  "trailingComma": "all",
  "tabWidth": 2,
  "semi": true,
  "singleQuote": true,
  "printWidth": 120
}
```

EsLint config

```json
{
  "root": true,
  "overrides": [
    {
      "files": ["*.ts"],
      "extends": [
        "eslint:recommended",
        "plugin:@typescript-eslint/recommended",
        "plugin:@angular-eslint/recommended",
        "plugin:@angular-eslint/template/process-inline-templates",
        "plugin:prettier/recommended"
      ],
      "rules": {
        "prettier/prettier": "warn",
        "@angular-eslint/directive-selector": [
          "error",
          {
            "type": "attribute",
            "prefix": "lab",
            "style": "camelCase"
          }
        ],
        "@angular-eslint/component-selector": [
          "error",
          {
            "type": "element",
            "prefix": "lab",
            "style": "kebab-case"
          }
```

```
      ]
    }
  },
  {
    "files": ["*.html"],
    "extends": ["plugin:@angular-eslint/template/recommended",
"plugin:@angular-eslint/template/accessibility"],
    "rules": {}
  }
 ]
}
```