edureka!

```
> ng new my-dream-app
> cd my-dream-app
> ng serve
```

Angular CLI

Angular CLI

Agenda

1 Why Angular CLI?

2 What is Angular CLI?

5 Demo

3 Getting Started

4 Angular CLI Commands

?

Why Angular CLI?

Why Angular CLI ?

With-out Angular CLI

Download
QuickStart seed
Zip Folder

Extract Files from
the Zipped Folder

Edit configuration
files according to
the Project

Get Started with
Project

With Angular CLI

```
>  npm install -g angular-cli
>  ng new my-dream-app
```

Install Angular CLI and
Create a Project

NOTE:
While creating a
project, Angular CLI
provides all required
configuration files.

Get Started with
Project
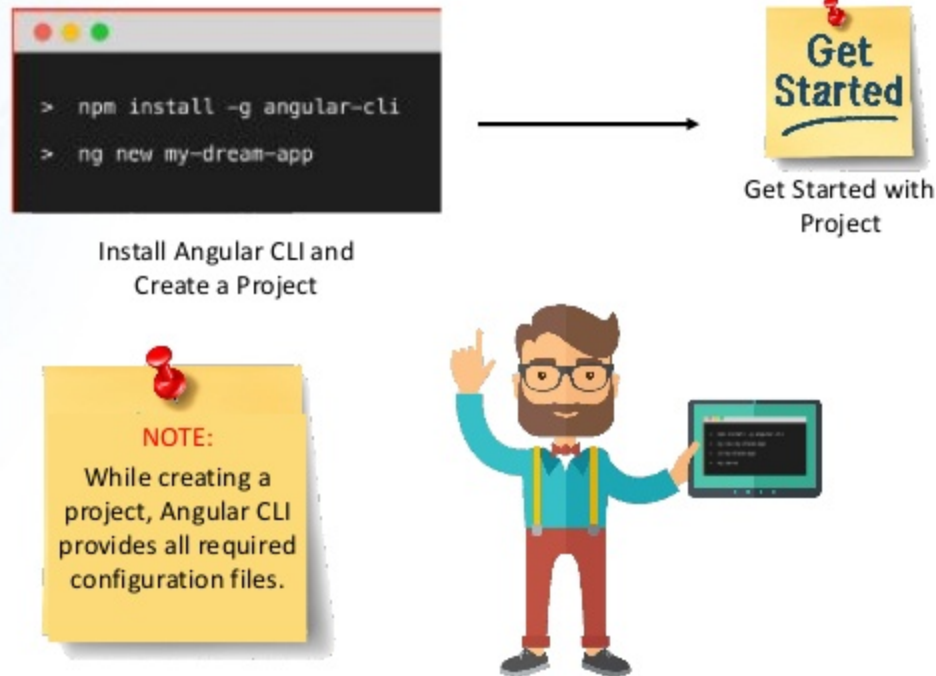
What is Angular CLI?

What is Angular CLI?

ANGULAR CLI

```
> npm install -g angular-cli
> ng NEW MyProject
> cd MyProject
> ng serve
```

Angular CLI is the Command Line Interface for creating and

serving Angular projects

PROJECT

Components
{ }

Template
< >

Service

- Installed on Node.js CLI

- Sets up the environment

- Provides required files for Angular program

- Reduces development effort

Getting Started With Angular CLI

Getting Started

Installing Angular CLI

Creating New Project

Starting lite-server

Angular Web UI

```
Your environment has been set up for using Node.js 6.9.5 (x64) and npm.

C:\Users\class>npm install -g @angular/cli
```

Install angular CLI on Node.js CMD

Getting Started

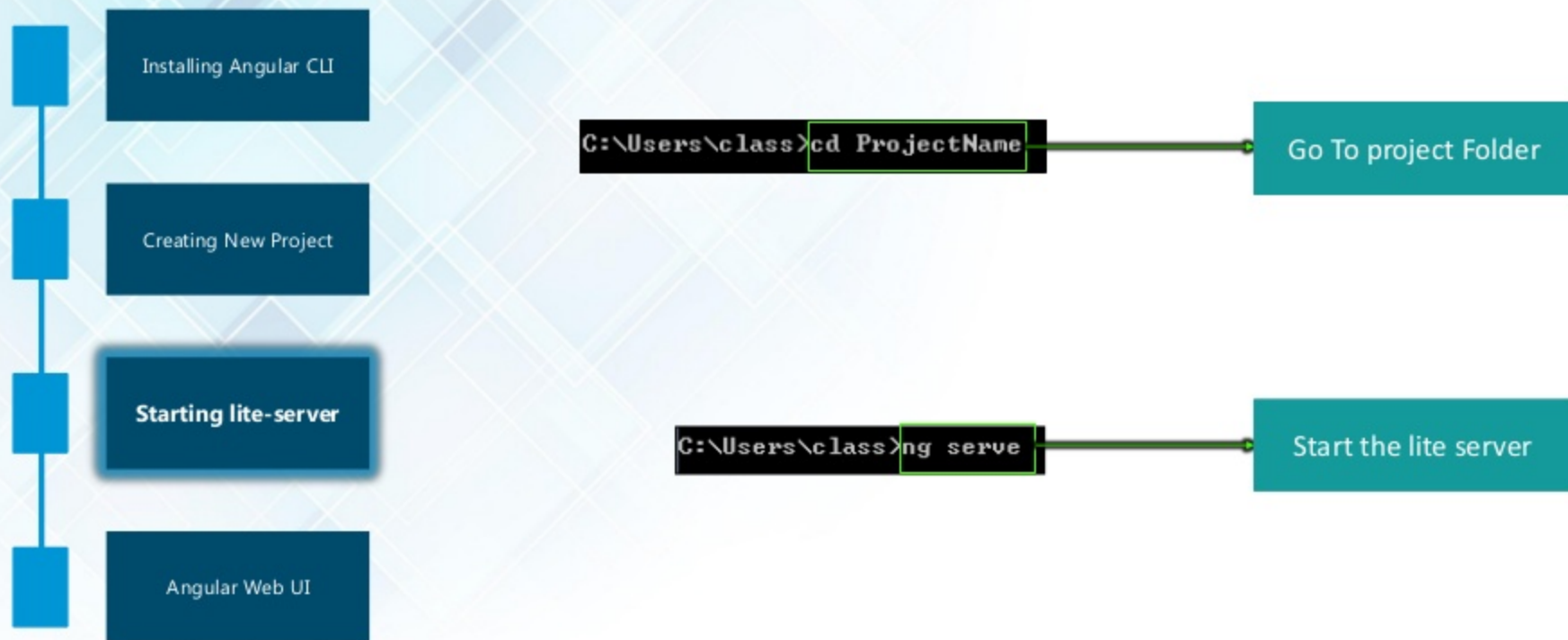Installing Angular CLI

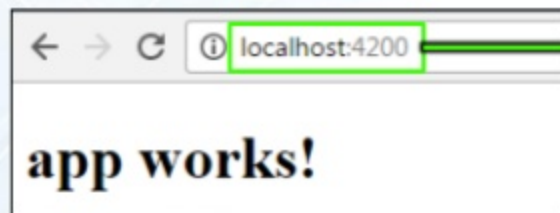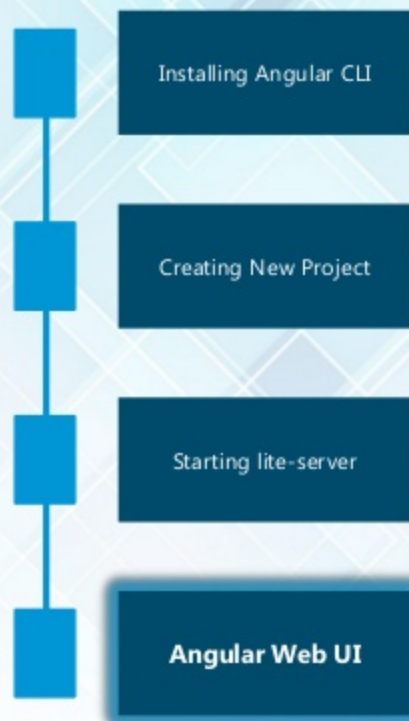**Creating New Project**

Starting lite-server

Angular Web UI

```
Your environment has been set up for using Node.js 6.9.5 (x64) and npm.

C:\Users\class>ng new ProjectName
installing ng2
  create .editorconfig
  create README.md
  create src\app\app.component.css
  create src\app\app.component.html
  create src\app\app.component.spec.ts
  create src\app\app.component.ts
  create src\app\app.module.ts
  create src\assets\.gitkeep
  create src\environments\environment.prod.ts
  create src\environments\environment.ts
  create src\favicon.ico
  create src\index.html
  create src\main.ts
  create src\polyfills.ts
  create src\styles.css
  create src\test.ts
```

Create new project

Getting Started

Installing Angular CLI

Creating New Project

Starting lite-server

Angular Web UI

```
C:\Users\class>cd ProjectName
```
Go To project Folder

```
C:\Users\class>ng serve
```
Start the lite server

Getting Started

Installing Angular CLI

Creating New Project

Starting lite-server

Angular Web UI

localhost:4200

app works!

Address of your website

Angular CLI Commands

Angular CLI Commands

1   **ng new**

2   ng doc

3   ng generate

4   ng version

5   ng test

6   ng e2e

7   ng lint

8   Others

ng new

Creates a new Angular project. By default, the project is created under the current directory.

Angular CLI Commands

1. ng new
2. **ng doc**
3. ng generate
4. ng version
5. ng test
6. ng e2e
7. ng lint
8. Others

ng doc

Opens a browser window with the keyword as search in Angular documentation.

API Reference (v2.4.7)

TYPE: ALL   STATUS: ALL   Filter

@angular/common

K APP_BASE_HREF	P AsyncPipe	C CommonModule
P CurrencyPipe	P DatePipe	P DecimalPipe
C HashLocationStrategy	P I18nPluralPipe	P I18nSelectPipe
P JsonPipe	K LOCATION_INITIALIZED	C Location
I LocationChangeEvent	I LocationChangeListener	C LocationStrategy

Angular CLI Commands

1. ng new
2. ng doc
3. **ng generate**
4. ng version
5. ng test
6. ng e2e
7. ng lint
8. Others

ng generate

Generates new code inside your project.

component *<path/to/component-name>*
- Generates a component

directive *<path/to/directive-name>*
- Generates a directive

route *<route/to/route-component>*
- Generates a route. The name should be the route used in the RouteConfig

pipe *<path/to/pipe-name>*
- Generates a pipe

service *<path/to/service-name>*
- Generates a service

Angular CLI Commands

1 — ng new

2 — ng doc

3 — ng generate

4 — ng version

5 — ng test

6 — ng e2e

7 — ng lint

8 — Others

ng version

Outputs the version of angular-cli, node and the operating system.

```
C:\Users\class>ng version




angular-cli

@angular/cli: 1.0.0-beta.32.3
node: 6.9.5
os: win32 x64
```

Angular CLI Commands

1   ng new

2   ng doc

3   ng generate

4   ng version

5   **ng test**

6   ng e2e

7   ng lint

8   Others

ng test

Run unit tests, using karma.

Options:

--*watch*   Keep running the tests. Default is true

UNIT
TESTING

Component 1	Component 2	Component 3	Service 1
{ }	{ }	{ }	
Isolated Environment	Isolated Environment	Isolated Environment	Isolated Environment

Angular CLI Commands
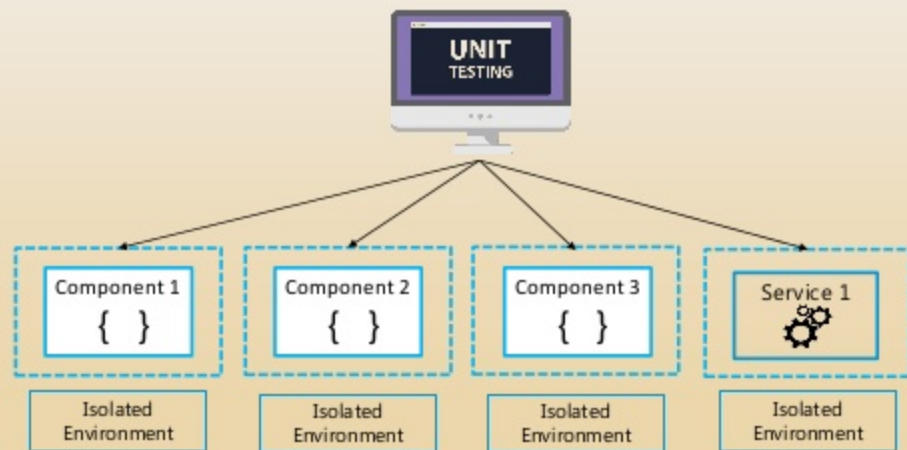
1	ng new
2	ng doc
3	ng generate
4	ng version
5	ng test
6	**ng e2e**
7	ng lint
8	Others

ng e2e

Runs all end-to-end tests defined in your application, using protractor.

</TESTING>

Component 1 { }	Component 2 { }	Component 3 { }	Service 1

Angular CLI Commands
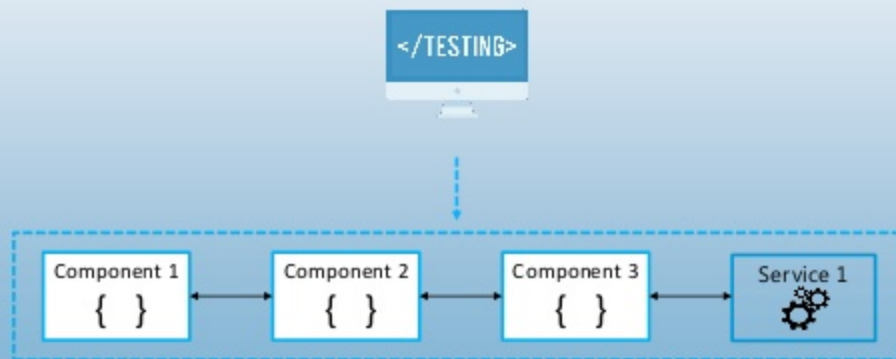
1	ng new
2	ng doc
3	ng generate
4	ng version
5	ng test
6	ng e2e
7	**ng lint**
8	Others

ng lint

Run the codelyzer linter on your project for analyzing potential error in code line by line.

Angular CLI Commands

1	ng new
2	ng doc
3	ng generate
4	ng version
5	ng test
6	ng e2e
7	ng lint
8	Others

ng get

Gets a value from the Angular CLI configuration

Get property

ng set

Sets a value in the Angular CLI configuration

Set property

ng help

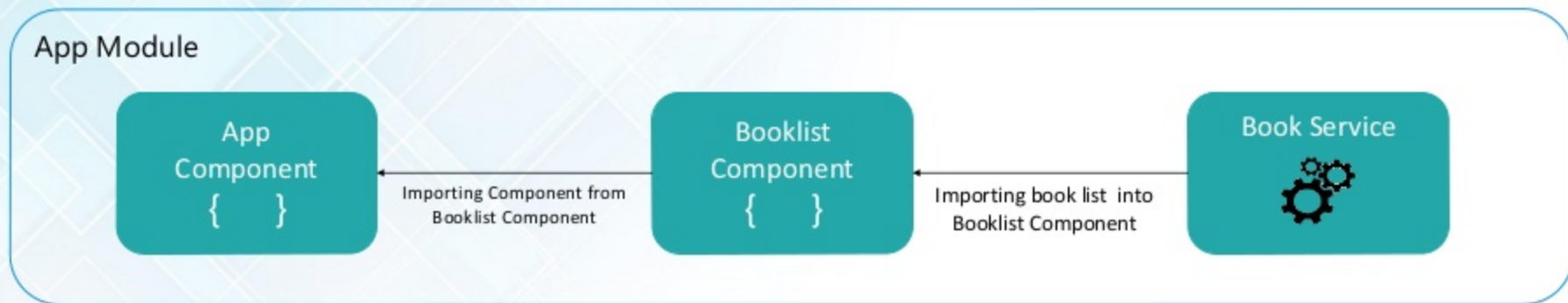Gets the list of commands supported by Angular CLI

HELP

ng build

Add watch flag to serve/e2e

Demo: A Sample Booklist Application

Sample Booklist Application

App Module

App Component { }

Importing Component from Booklist Component

Booklist Component { }

Importing book list into Booklist Component

Book Service

edureka!

Thank You

For more information please visit our website
www.edureka.co