



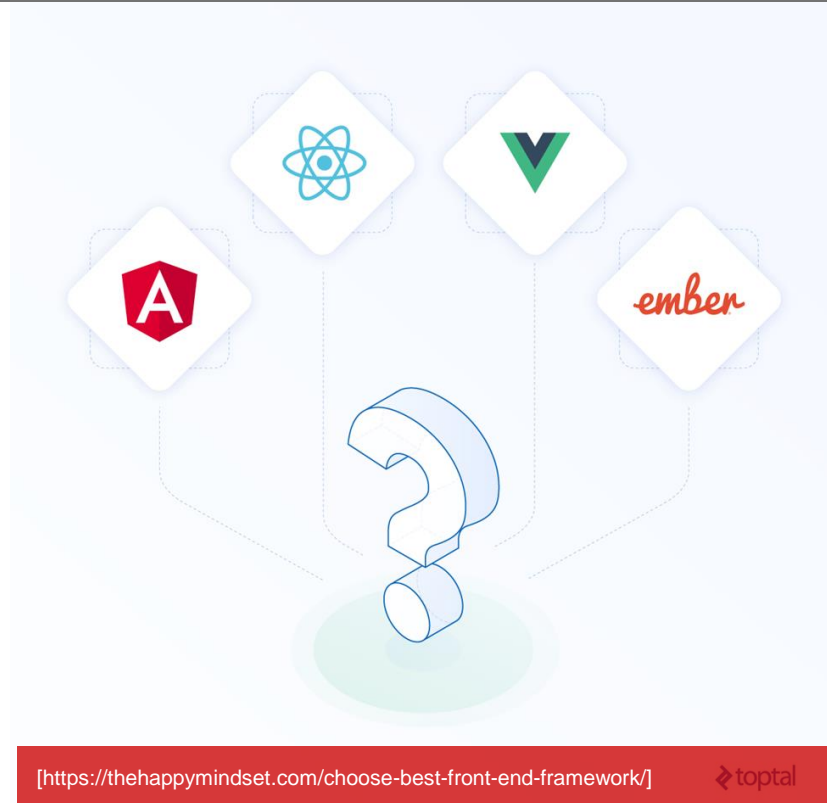
# Angular Course

In this course you will get a hands-on of the major features of Angular

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January, 2018

# Why Angular?

- Availability of Learning Resources
- Popularity
- Core Features
- Usability
- Ease of Integration (with Other Libraries)
- Outputs: Web, Mobile, Desktop



- Components
- Forms
- Directives
- Pipes
- Services
- Routing
- Observables



- App\_Initializer
- Redux in Angular
- Unit Testing
- The mechanics of DOM updates in Angular (View encapsulation)
- Analyze an Angular App's Bundle Size
- Etc.



```
function doSomething(someData)
{
    // do something
}
```

**JS**  
**ES6**

TypeScript

Type and Properties of someData?

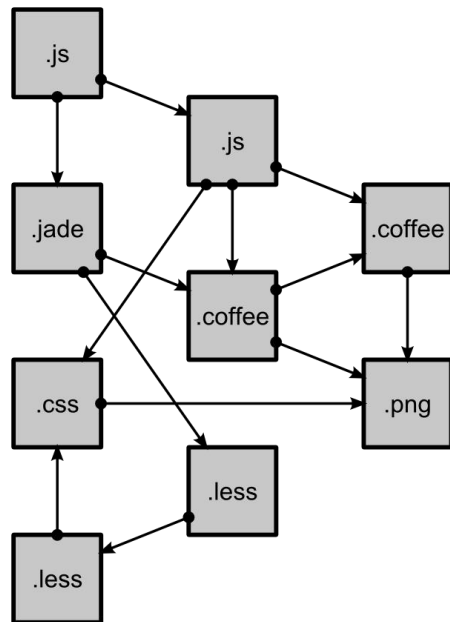
## Node JS

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient.

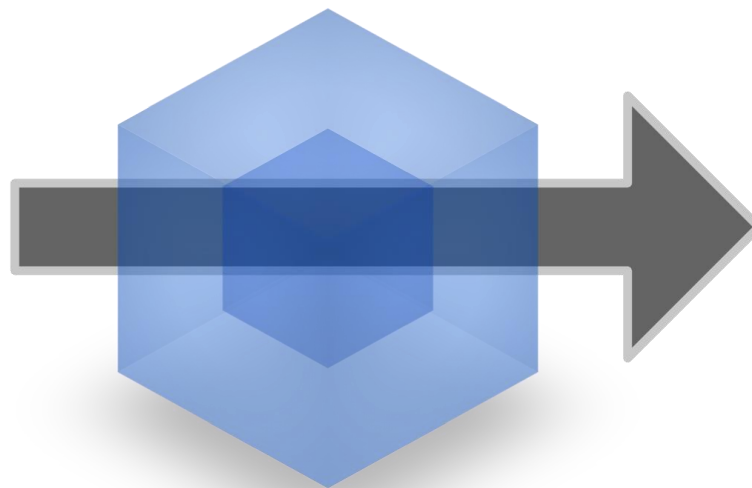
## NPM

Node.js' package ecosystem, [npm](https://www.npmjs.com/), is the largest ecosystem of open source libraries in the world.

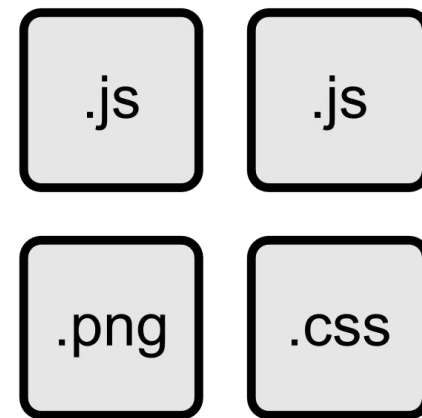




modules  
with dependencies



**webpack**  
MODULE BUNDLER



static  
assets

**The Angular CLI is a tool to initialize, develop, scaffold and maintain Angular applications**

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

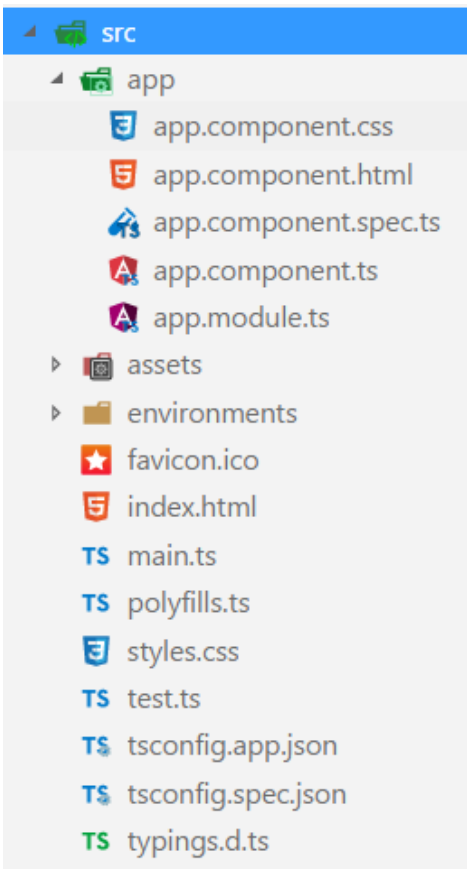
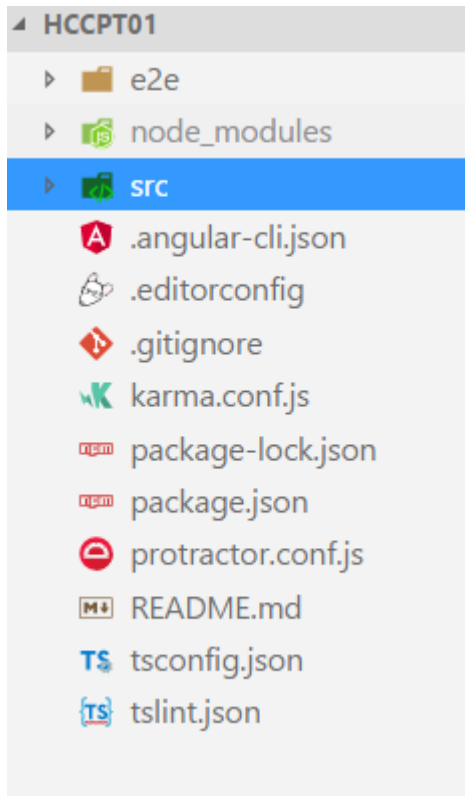
```
ng new hccpt  
cd hccpt  
ng serve
```

Navigate to <http://localhost:4200/>.

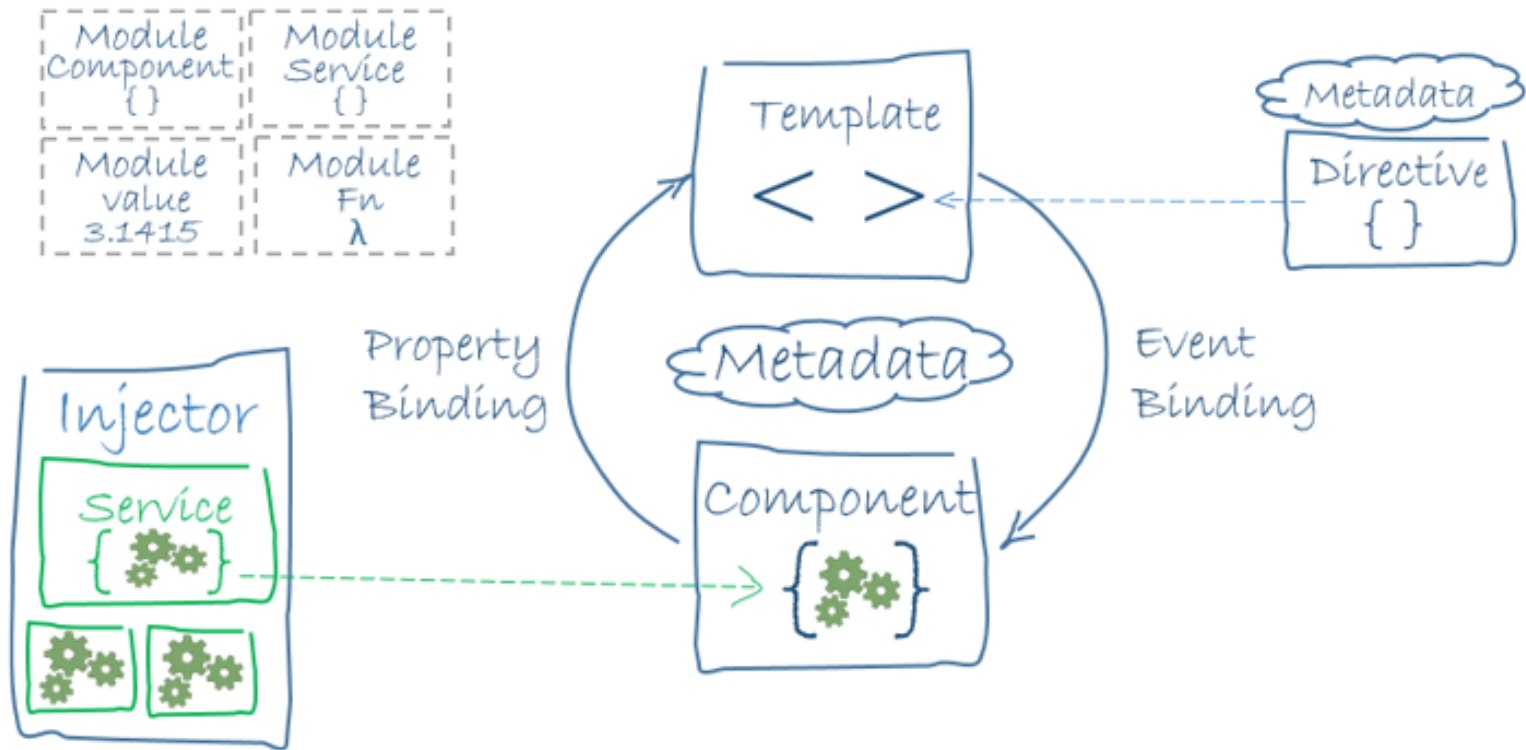
The app will automatically reload if you change any of the source files.



# Angular Solution File Structure



# Angular Architecture Overview





# Questions and Discussion

**HITACHI**  
Inspire the Next 