

THE YW'S & WHO, WHERE, WHEN & WHY TO USE ANGULAR Lekkou



Hi! I'm Lena!

- I'm a Designer
- Head of Web @SAE Athens
- Co-Organizer of Angular Athens Meetup newly added :)
- Organizer of Athens Gamification







I study Angular in a more Theoretical Approach.

"Should my students develop Web Apps in Angular? Is it important to add Angular in our Study Path?"









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Hi! I'm L

I studied Theoretic Should min Angula

The answer is YES!

BUT... Don't start with Angular.

Start with Web Fundamentals and end with Angular in an Awesome Dramatic Way. :)

Angular lessons in our Study Path?



#1 Lovers of the Angular Power!



In comparison with other frameworks, Angular is deeply Opinionated Framework. In Big Complex Projects with many different Developers working together, Angular makes the project maintainable and helps containing the code's consistency in the end. (thanks Stefanos:)





#2 Mobile-First Focused



Developers who want to build Web and Mobile Applications and target a wide variety of devices. (web, mobile web, native mobile and native desktop)





#3 FrontEnders
with a spicy
Twist



FrontEnders who want to build more complex Web Applications and want to experiment with this Framework. Give it a go!





#4 Google Material Lovers



Angular Material is for you! By simply installing and adding these components to your modules, you've got a Material-looking App that is based on Google Design Guidelines.





#5 Design Pattern
Explorers



With the use of Angular, you can experiment with different Design Patterns and explore new ways to develop more complex Applications.





#6 "Progressive"
Developers



Good choice for developing Progressive Web Apps. Work for every user, regardless of browser choice. (Stay tuned for Giorgos Kalpakas' talk:)







At Home

Invest in your free time at home and build some Web Apps and Reusable Components that you will probably use in the future.
Invest your free time and Practice, Practice and have fun (as Aris wanted me to add:)







At Work

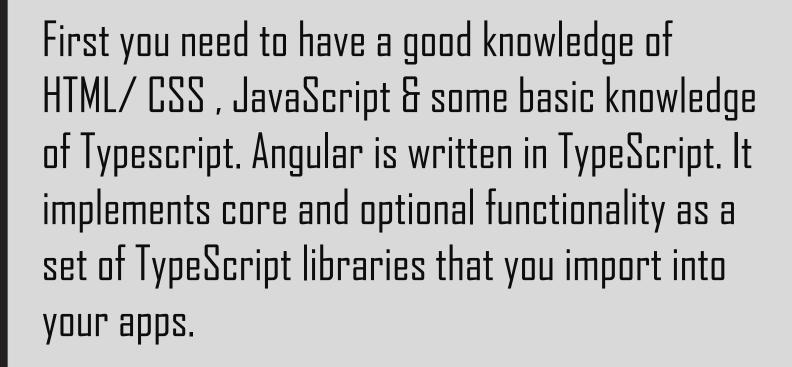
When you have a more Complex Project or Web Application to build that needs Clean Architecture from the start.

Or when it's a Project that might Grow and Scale up to something bigger in the future.





First Things First

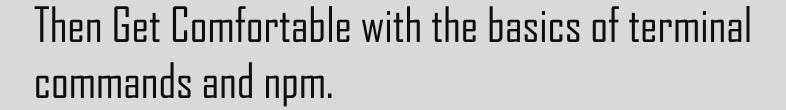






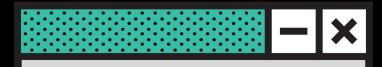
Wait for it...





Make some experiments with Node.js and RESTful API's basics (GET, POST, PUT)





Finally!



And now you are ready to go and build your first Web Apps with Angular! Conquer the basics and Level up :)

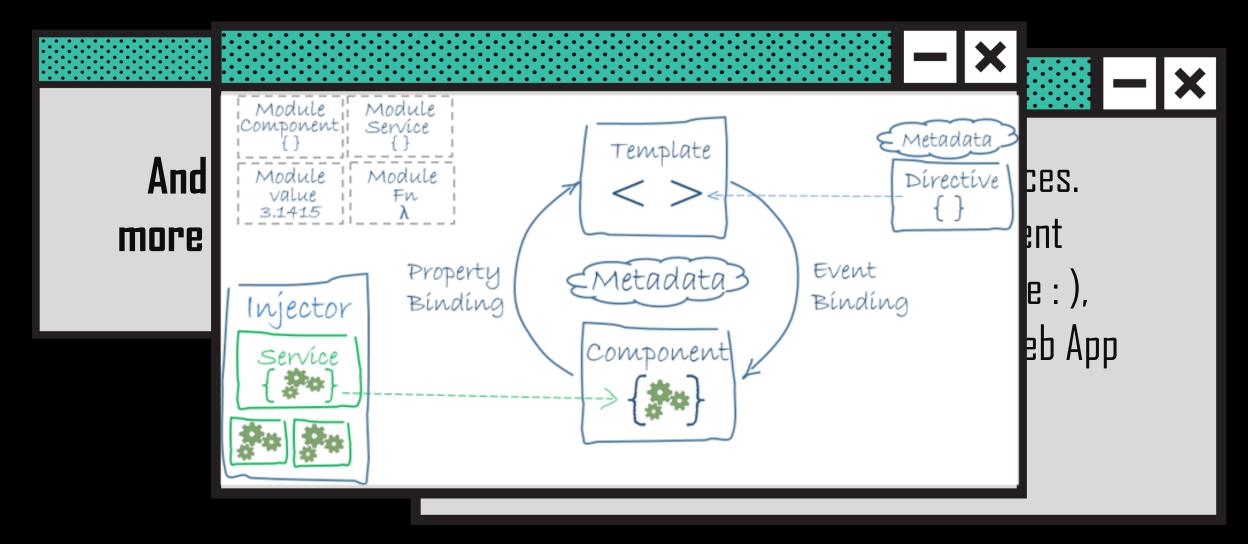




And one more thing!



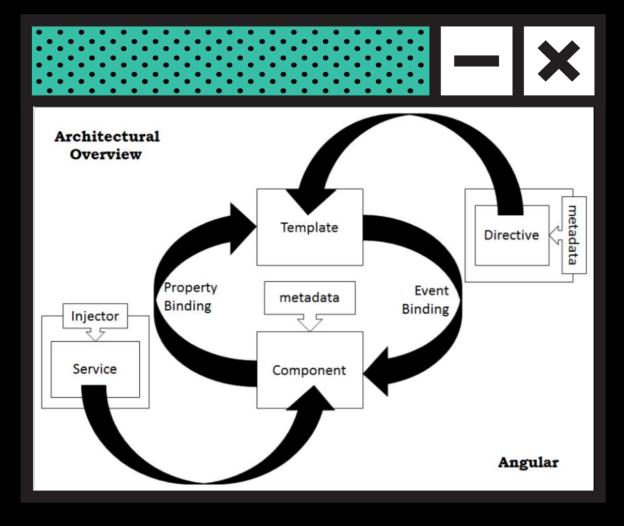




#3 WHEN



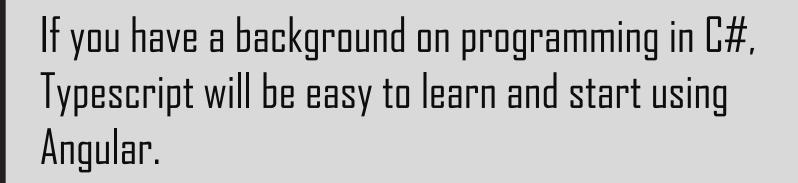
Because of the clean
Architecture of Angular with
Modules, Components,
Templates, Metadata,
Directives and Services.







From C# to Typescript







Data Binding







Two-way
Data Binding

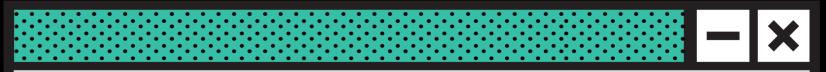


Angular supports two-way data binding, meaning that changes in the DOM, such as user choices, are also reflected in your program data.





Libraries and Modules is the new best thing



Angular framework has various Libraries that are grouped as modules in order to build an application. Angular applications are Modular in nature and are constructed by assembling various modules. Modules may have components, services, functions and or values.





Hierarchical Dependency Injection



The Angular dependency injection system is hierarchical. There is a tree of injectors that parallel an app's component tree. You can reconfigure the injectors at any level of that component tree.



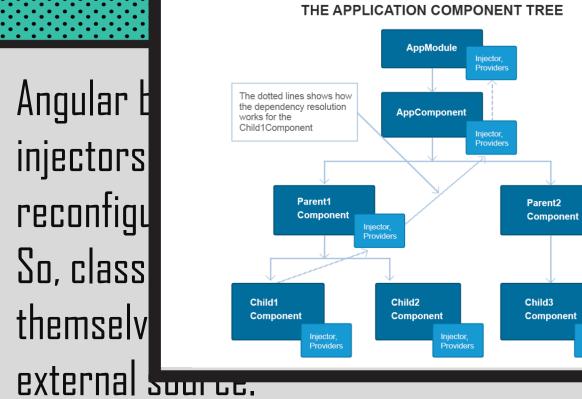


Hierarchical Dependency Injection





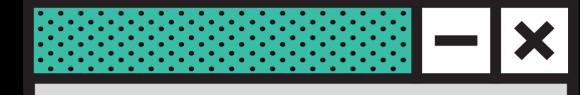






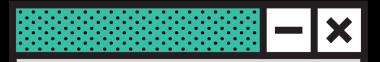


Testing & Debugging



- ✓ Unit Testing
- ✓ Use of End to End Testing
- Easy Debugging



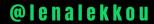


Support by Google



✓ Big Community Worldwide







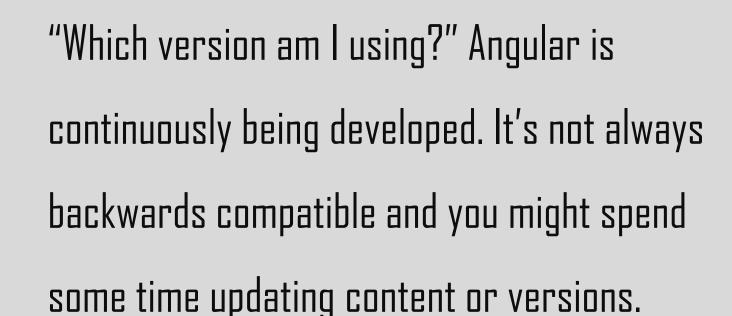


- Reusability
- Readability
- ✓ Unit-test Friendly
- Maintainability





Versions Compatibility



REMEMBERTHAT











You can't always find updated Books, Tutorials or other useful stuff for the current version. But you can easily find useful blogs, videos etc. from the Community.

REMEMBER THAT

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But don't be disappointed so quickly!
Angular is still a very good choice to
invest time and start using it and
create Awesome Stuff!:)

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ld Books,

REMEMBERTHAT

THANK YOU!

ANGULAR ATHENS MEETUP | DECEMBER '18

- https://www.madewithangular.com/
- https://www.wappalyzer.com/technologies/angular
- https://material.angular.io/
- https://material.angular.io/cdk/categories
- https://www.oreilly.com/library/view/angular-design-patterns/9781786461728/
- https://medium.com/ngx-rocket/the-missing-introduction-to-angular-and-modern-design-patterns-43e8815c2801
- https://www.smashingmagazine.com/2018/09/pwa-angular-6/
- https://angular.io/guide/architecture
- https://www.protractortest.org/#/

USEFUL LINKS