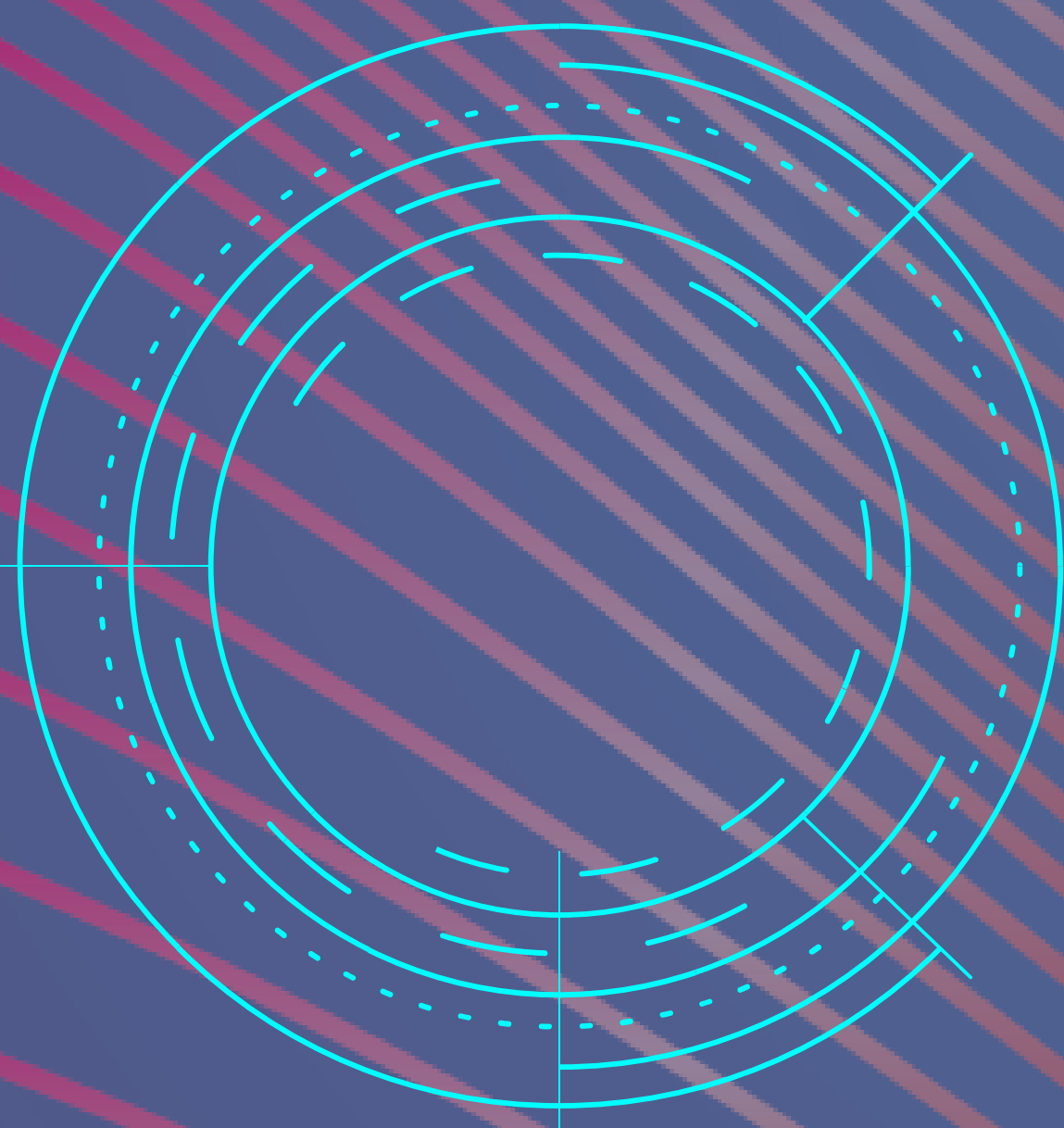




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# ANGULAR SYLLABUS





# Introduction to Angular & TypeScript

- **AngularJS vs Latest Angular**
- **Why Angular**
- **Web Components**
- **JavaScript and its Issues**
- **What is TypeScript**
- **TypeScript vs JavaScript vs ES6**
- **Benefits of TypeScript**

# TypeScript

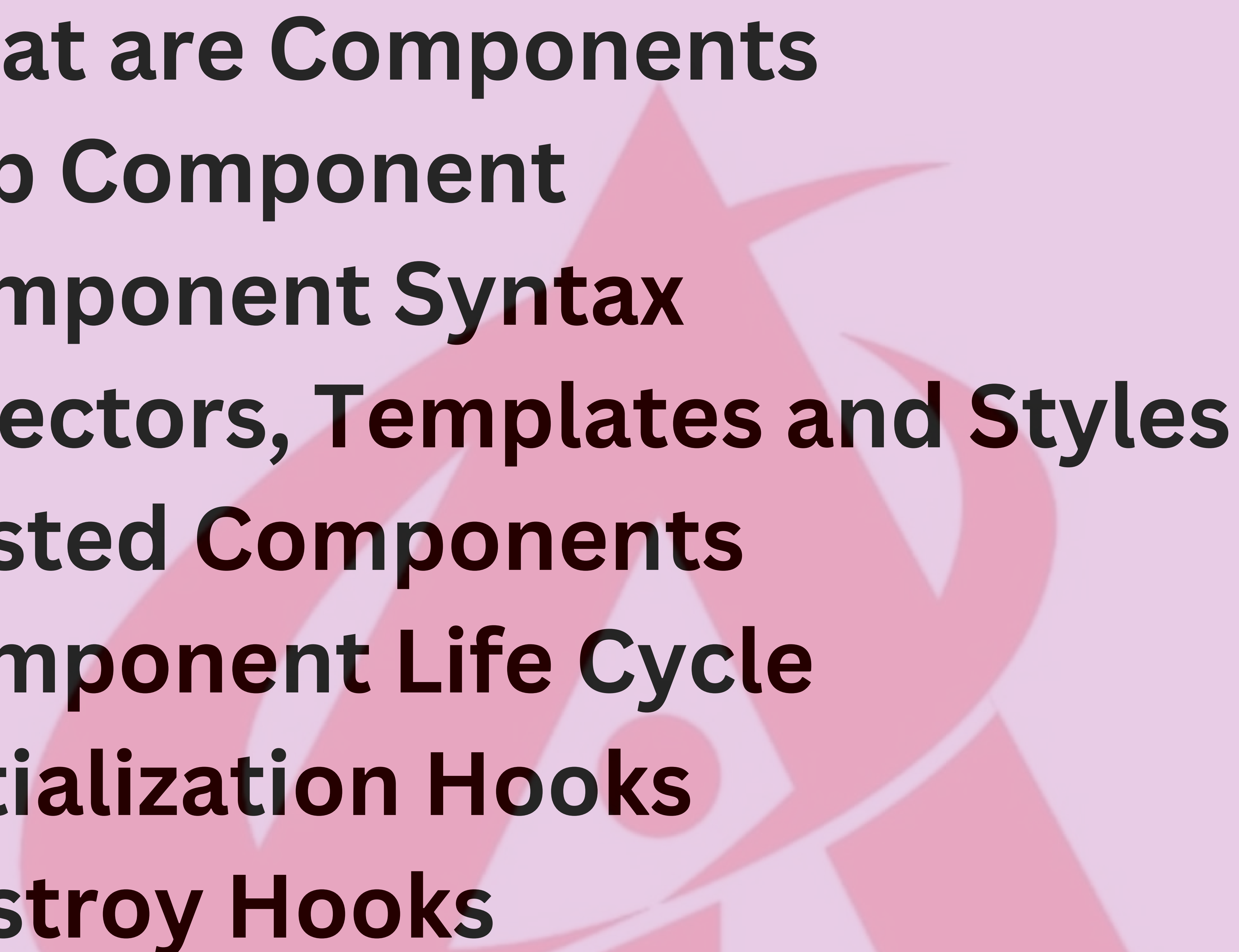
- **Typing System**
- **TypeScript Types**
- **Arrays Types**
- **Functions**
- **Interfaces**
- **Object Oriented Programming**
- **Classes and Class Constructors**
- **Properties, Methods, Getters and Setters**
- **Generics and Decorators**

# Introduction to Angular

- **Angular Installation**
- **Angular CLI**
- **Serving and Building the Application**
- **Project Structure**
- **Angular Modules**
- **Root and Featured Modules**
- **Imports, Declarations, Providers and Dependencies**



# Components

- **What are Components**
  - **App Component**
  - **Component Syntax**
  - **Selectors, Templates and Styles**
  - **Nested Components**
  - **Component Life Cycle**
  - **Initialization Hooks**
  - **Destroy Hooks**
- 

# Data Bindings

- **Angular Data Bindings**
- **String Interpolation**
- **Property & Event Bindings**
- **Two Way Data Binding**
- **Template Variables**
- **Component Communications**
- **Input and Output**
- **ViewChild**
- **Content Projection**
- **Events and Event Emitters**
- **Listening to Event Emitters**

# Directives

- **Angular Directives**
- **Attribute Directives**
- **Built-In Attribute Directives**
- **Structural Directives**
- **Built-In Structural Directives**
- **NgIf and NgFor Directives**
- **Custom Directives**



# Pipes

- **What are Pipes**
- **Built-In Angular Pipes**
- **Currency Pipe**
- **Number Pipe**
- **Percent Pipe**
- **Lower and Upper Case Pipes**
- **Date Pipe**
- **Custom Pipes**



# Services

- **What are Services in Angular**
- **Injectable Services**
- **Dependency Injection**
- **Singletons**
- **Export and Import Services**
- **Shared Services**
- **Providing Services**

# Forms

- **Forms Module**
- **Template Driven Forms**
- **NgForm**
- **NgModel**
- **Form Validations**
- **Touched & Untouched states**
- **Pristine & Dirty states**
- **Valid and Invalid**
- **Form Submit**



# Reactive Forms

- **What are Reactive Forms**
- **Reactive vs Template Driven Forms**
- **Form Group**
- **Form Control**
- **Form Builder**
- **Form Validators**
- **Set Validators**
- **Clear Validators**
- **Listening to Form Values**

# Routes

- **What are Routes**
- **How to Configure Routes**
- **Router Outlet**
- **Router Navigation**
- **Route Parameters**
- **Routes for Root and Child**
- **Query Parameters**
- **Activated Routes**
- **Route Guards**