

AngularJS Best Practices

AngularJS is an open-source front-end web application framework based on JavaScript that is typically used by businesses in product engineering to build an intuitive front end.

With Angular JS, you can avail the following value additions:



Faster Development



Easy Maintenance



Accurate Testability



Effective Reusability



Data Linking

Here are a few best practices that will help you maximize the potential of AngularJS while developing your angular app

TO PROMOTE REUSABILITY

1 **Defer controller logic to services**
Use the "Service" feature of AngularJS to ensure reuse across different controllers and improve quality of development

2 **Defer views to templates**
Move HTML snippets with a reusable value from view to templates by configuring specific routes

3 **Leverage directives**
Deploy relevant directives that will help you modify the Document Object Module (DOM) element as required

4 **Entrust an angular module**
Use an angular model to create namespaces and containerize each component that can be used as a dependency whenever required

TO IMPROVE PERFORMANCE

1 **Destroy directives**
Ensure that when directives are used, they are destroyed to mitigate floating directives resulting in a heavy DOM

2 **Avoid \$watchers**
Reduce dirty checking cycles as well as avoid slowing down \$digest cycles by optimizing data bindings and minimizing the use of \$watchers

3 **Use bind once with ("::")**
Use one time expression to reduce overheads and avoid recalculations brought about by model updates

4 **Use ng-model options to control updates**
Reduce \$digest cycles and improve performance by deploying ng-model updates for non-real time updates

TO ACHIEVE SCALABILITY & MAINTAINABILITY

1 **Wrap AngularJS components in an Immediately Invoked Function Expression**

Prevent variables and function declarations from colliding with other variables by wrapping AngularJS components in IIFE

3 **Use bindable members**
Declare the bindable members at the top of the scope to ensure improved readability

2 **Use name functions**

Make the code readable, reusable, and avail easy debugging by using name function instead of anonymous

4 **Use JSDoc**
Annotate JS source code files with JSDoc and mention comments that dictate the use of different tools to generate the HTML or RTF file



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