Recommended ESLint Rules for Enterprise-Level Angular Applications For an enterprise-level Angular application, you'll want ESLint rules that enforce code quality, maintainability, and consistency across large teams. Here's a comprehensive set of recommendations:

Core Configuration

Start with Angular ESLint:

npm install --save-dev @angular-eslint/eslint-plugin @angular-eslint/eslint-plugin-template @typescript-eslint/eslint-plugin @typescript-eslint/parser eslint

2. Recommended presets:

```
"extends": [
    "plugin:@angular-eslint/recommended",
    "plugin:@angular-eslint/template/process-inline-templates",
    "plugin:@typescript-eslint/recommended"
]
```

Essential Rules for Angular

Component/Directive Rules

```
"@angular-eslint/component-class-suffix": ["error", {"suffixes": ["Component",
"Page", "View"]}],
"@angular-eslint/directive-class-suffix": ["error", {"suffixes": ["Directive"]}],
"@angular-eslint/no-input-rename": "error",
"@angular-eslint/no-output-rename": "error",
"@angular-eslint/no-output-on-prefix": "error",
"@angular-eslint/use-component-selector": ["error", {"type": "element", "prefix": "app"}],
"@angular-eslint/use-injectable-provided-in": "error",
"@angular-eslint/no-lifecycle-call": "error"
```

Template Rules

"@angular-eslint/template/banana-in-box": "error",

```
"@angular-eslint/template/no-negated-async": "error",
"@angular-eslint/template/cyclomatic-complexity": ["error", {"maxComplexity":
5}],
"@angular-eslint/template/no-call-expression": "error",
"@angular-eslint/template/egegeg": "error"
TypeScript Rules
"@typescript-eslint/explicit-member-accessibility": ["error", {"accessibility":
"explicit"}],
"@typescript-eslint/member-ordering": ["error", {
 "default": [
   "public-static-field",
   "private-static-field",
   "public-instance-field",
   "private-instance-field",
   "constructor".
   "public-static-method",
   "private-static-method",
   "public-instance-method",
   "private-instance-method"
}],
"@typescript-eslint/no-inferrable-types": ["error", {"ignoreParameters": true}],
"@typescript-eslint/no-unused-vars": ["error", {"args": "none"}],
"@typescript-eslint/consistent-type-definitions": ["error", "interface"],
"@typescript-eslint/explicit-function-return-type": ["error", {"allowExpressions":
true}].
"@typescript-eslint/naming-convention": [
 "error",
   "selector": "interface",
   "format": ["PascalCase"],
   "prefix": ["I"]
 },
   "selector": "typeAlias",
  "format": ["PascalCase"],
  "prefix": ["T"]
 }
```

General Best Practices

```
"curly": "error",

"eqeqeq": ["error", "always", {"null": "ignore"}],

"no-console": ["error", {"allow": ["warn", "error"]}],

"no-empty": ["error", {"allowEmptyCatch": true}],

"no-eval": "error",

"no-implied-eval": "error",

"no-magic-numbers": ["error", {"ignore": [-1, 0, 1]}],

"no-return-await": "error",

"no-throw-literal": "error",

"no-unused-expressions": "error",

"prefer-const": "error",

"radix": "error",

"require-await": "error"
```

Enterprise-Specific Additions

1. Documentation Requirements:

```
"jsdoc/require-jsdoc": ["error", {
    "require": {
        "FunctionDeclaration": true,
        "MethodDefinition": true,
        "ClassDeclaration": true
    }
}]
```

1. Complexity Control:

```
"complexity": ["error", 10],
"max-depth": ["error", 4],
"max-lines-per-function": ["error", 50],
"max-params": ["error", 4]
```

1. Security Rules:

"security/detect-bidi-characters": "error",

"security/detect-non-literal-fs-filename": "error",

"security/detect-possible-timing-attacks": "error"

Setup Recommendations

- 1. Create separate ESLint configs for:
 - · Main application code
 - Unit tests (more relaxed rules)
 - E2E tests
- 2. Use .eslintignore to exclude generated files and third-party code
- 3. Add pre-commit hooks with husky and lint-staged to enforce linting
- 4. Integrate with your CI pipeline to fail builds on lint errors
- 5. Consider using eslint-plugin-deprecation to catch deprecated APIs

Would you like me to elaborate on any specific area of these recommendations?