



## Frontend Angular Test

Create an angular app that meets the following requirements:

- 1) Demonstrates the usage of `ngOnChanges`, `@Output()` and `@Input()`
- 2) Lazy load modules
- 3) Demonstrates the usages of route guards
- 4) Passes data between pages. Have an input field in one page of which contents is displayed in the second page.
- 5) Has page transition animations. Here please make 2 examples, one with angular-animations and one that uses just css classes with animations for things like fading in an element.
- 6) Has one route that demonstrates how nested `<router-outlet>` works.
- 7) Have 2 inputs with some simple validation (like an email validation) without the require of angular-forms and `ngModel`
- 8) Demonstrates the usage of `ng-content`.
- 9) Have an input directive that restricts the input to numbers only and auto formats the input into currency, ex: \$1,234. The field must change its format as user types.
- 10) Demonstrates various ways to bind component properties to an associated template
- 11) Has unit tests.