

Angular test:

#### # Context

Our fantastic product owner has a wonderful, amazing and revolutionary idea... he wants to build a new Todo application.

He has a good idea of the application behavior and comes with a backlog containing the following user stories :

#### # User stories

##### ## 1 : List my TODOs

###### ### Description :

As a user I would like to list my current todos

###### ### Acceptance criterias :

- Each todo could have, at minimal, a related state and title
- Some hard-coded todos will be initialized in this context to demonstrate the tool

##### ## 2 : Change a TODO state

###### ### Description :

As a user I would like to change a todo state by checking a "box"

###### ### Acceptance criterias :

- When a todo is done, it should be placed at the bottom of the list and should be crossed out

##### ## 3 : Detail a TODO

###### ### Description :

As a user I would like to display one of my todo in a separate or dedicated view.

This todo will contain its title and a description (which is a new information not shown in the previous view).

###### ### Acceptance criterias :

- We can click on a todo (by any way) to access the details view of the todo
- The todo could be accessed via a unique URL

##### ## 4 : Add a new TODO

###### ### Description :

As a user I would like to add a new todo in my list

###### ### Acceptance criterias :

- The todo title is required
- The todo description can be empty
- The newly created todo has to be on top of the list of todos
- You are free to choose the design / interaction

#### # Technical environment

You're working in the WebFactory which provides the following technical recommendations :

- The application should be based on Angular Framework
- The project should rely on NgRx for state management
- To keep the UI simple, the use of Material components is highly recommended ([material.angular.io](https://material.angular.io))
- Code quality is very important, so all the code has to be covered by unit tests
- Each user story should be realized in its own commit on master
- The product owner is curious and likes to read the application code on Github and test it via Github Pages
- The application should have a mocked backend and store all todos on it (extension of HttpXhrBackend)

#### # Bonus

You can add any new functionality in this wonderful project if you want to, in order to satisfy your PO 😊