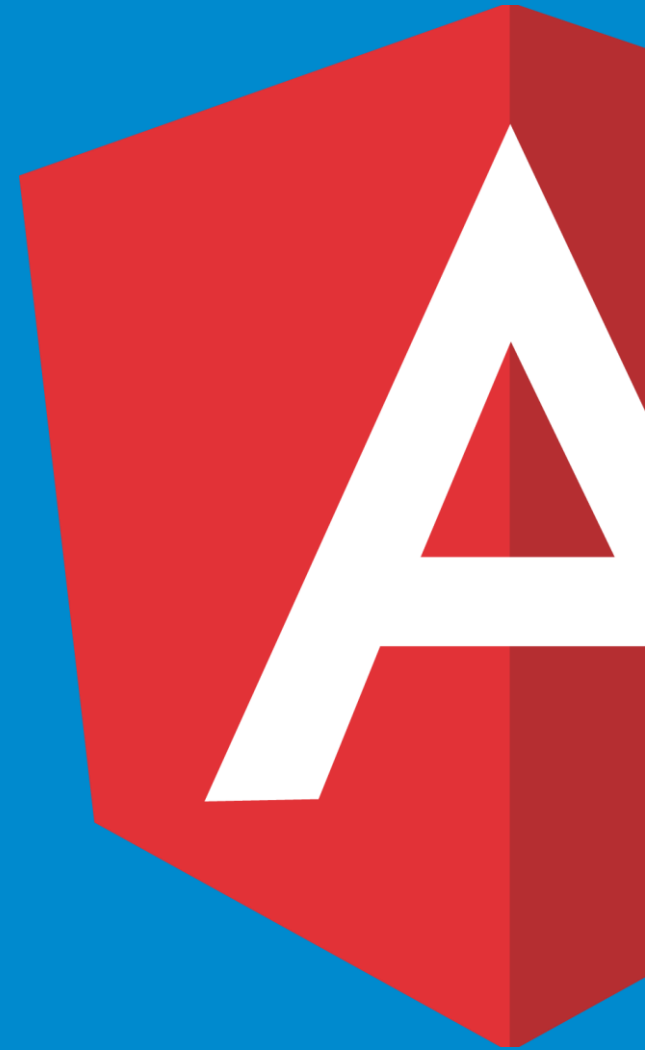Web-school

Angular

‹epam›

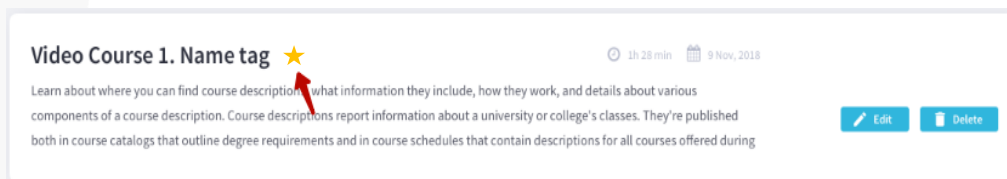# Task 4. Directives and Pipes

Directives

1. Create custom directive to change course plate border based on "creationDate".

    a. If creationDate < currentDate && creationDate >= currentDate - 14days -
       fresh course (use green border)

    b. If creationDate > currentDate - upcoming course (use blue border) (in this
       case creationDate means the date that the course will be released)

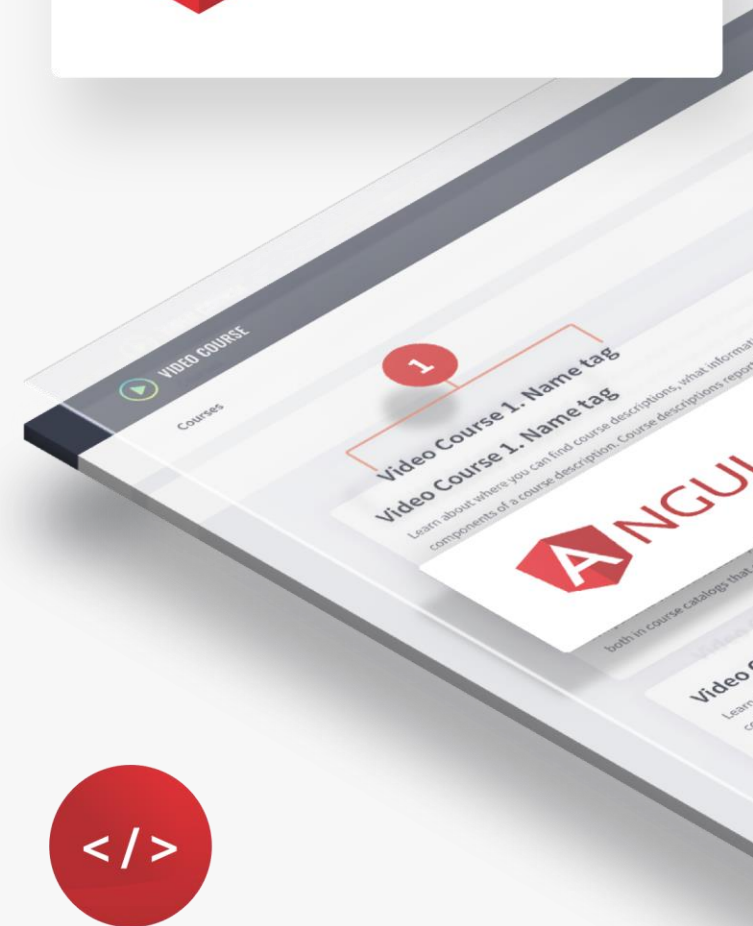   c. Other cases - no changes

2. Add no data message using ngIf.

3. Add topRated field to the course item. If true - star icon should appear, change
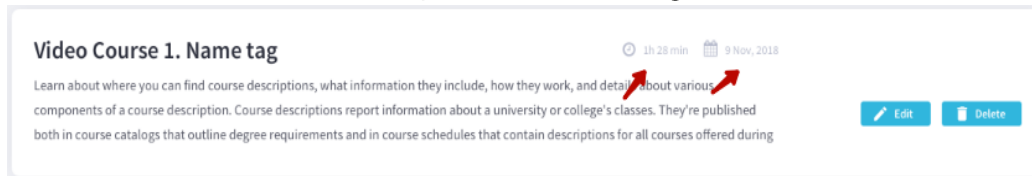   color background for the whole item card using ngClass on course-item
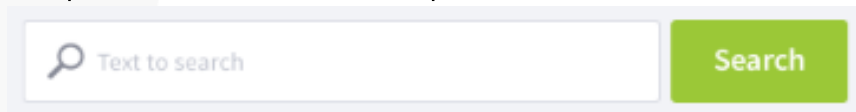   component.

Pipes:

1. Use built-in pipe to uppercase video course name.

2. Create duration pipe. Should take duration in minutes and format output in hh h mm min. (ex: 1h 15min). In case of duration less than 1h display only minutes.

3. Use built-in date pipe for course date. Change mock data to have datetime "creationDate" field instead of preformatted string.

4. Create orderBy pipe. Use "creationDate" field to order courses.

5. Create filter pipe.

6. Change search behavior. Filter courses list by a name when a user enters some text in the field 'search' and presses the 'Search' button. Try to use pipes in the component class not in the template.

7. Angular doesn't provide pipes for filtering or sorting lists. We create them only for education purpose. Please, find out why.

   https://v9.angular.io/guide/pipes#appendix-no-filterpipe-or-orderbypipe

Have fun!

Evaluation criteria

2   Implemented built-in directives and pipes.

3   Built-in + partially custom pipes and directives. Major issues.

4   Built-in + custom. Did all with some issues. orderBy not implemented.

5   Did all above including orderBy pipe without major issues.

Extra task

\+   Proceed with unit testing. Now you have your custom directives and pipes. It's time to cover them with unit tests