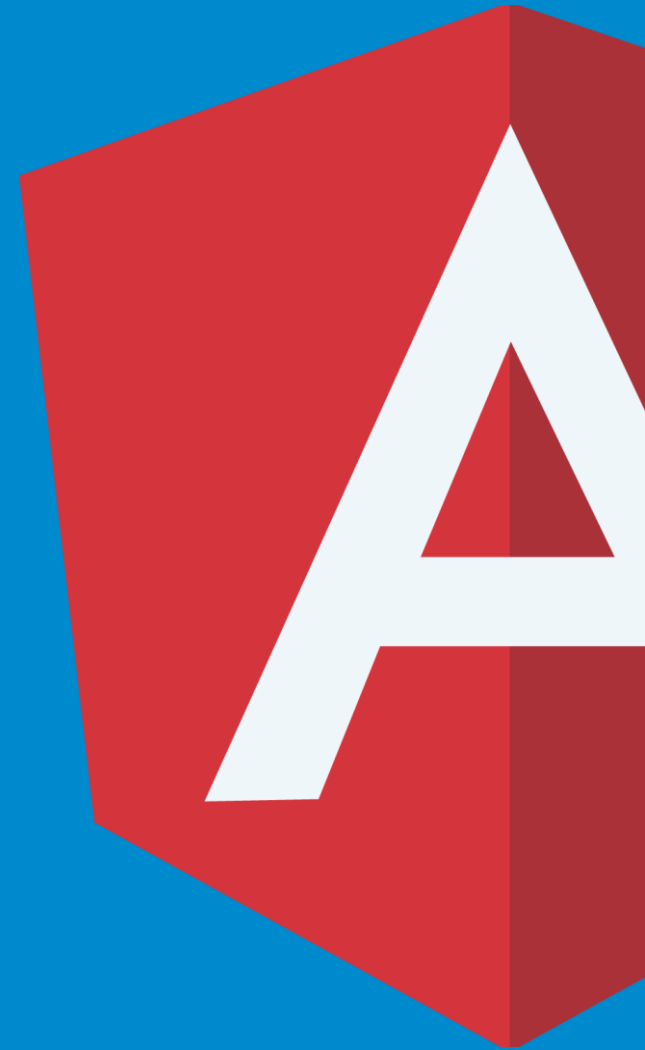


Web-school

Home task 9

# Angular



## Task 9. RxJs

### Add RxJs into your app

1. Change search box behavior. Remove search button. Now we need to call API once a user types something into the search input. To do this please follow the next steps:
  - Use (`keyup`) binding to handle input changes. Create Subject in your component and changes its value on input change (use `.next`).
  - Add API call on each user input event.
2. Since we don't want to spam our service add filter by input value and do not call API until a user enters at least 3 chars.
3. Add debounce to prevent API calls until user stops typing.

### Materials

#### Design

<https://epa.ms/VKKpylR>



4. Reveal user data using RxJs from service. Subscribe in header component to user data to show actual info in the header.
5. Change logic of auth guard. Now use Observable as a return value in [canActivate](#).
6. Create global loading block component (spinner/animation). It's purpose is to prevent user from any actions. Should be an overlay that covers whole page with loader animation in the center.  
This feature will consist of two items:
  1. Loading-block component;
  2. Service that keeps actual condition of the block (show: true/false).
7. Selectively re-use loading block with API calls which affect the UI (load courses, delete, login, etc.).

## Evaluation criteria

- 2 Implemented new search input behavior - not working
- 3 Implemented new search + all enhancements (3 chars, debounce)
- 4 Added user info Observable. All above with issues
- 5 Did all above including loading-block without major issues.

### Extra task



Proceed with unit testing. You must change tests for search component.  
Write tests for the header and new loading block.