

# SD Assignment 2

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# Chapter 1

## Assignment 2

### 1.1 Assignment Objective

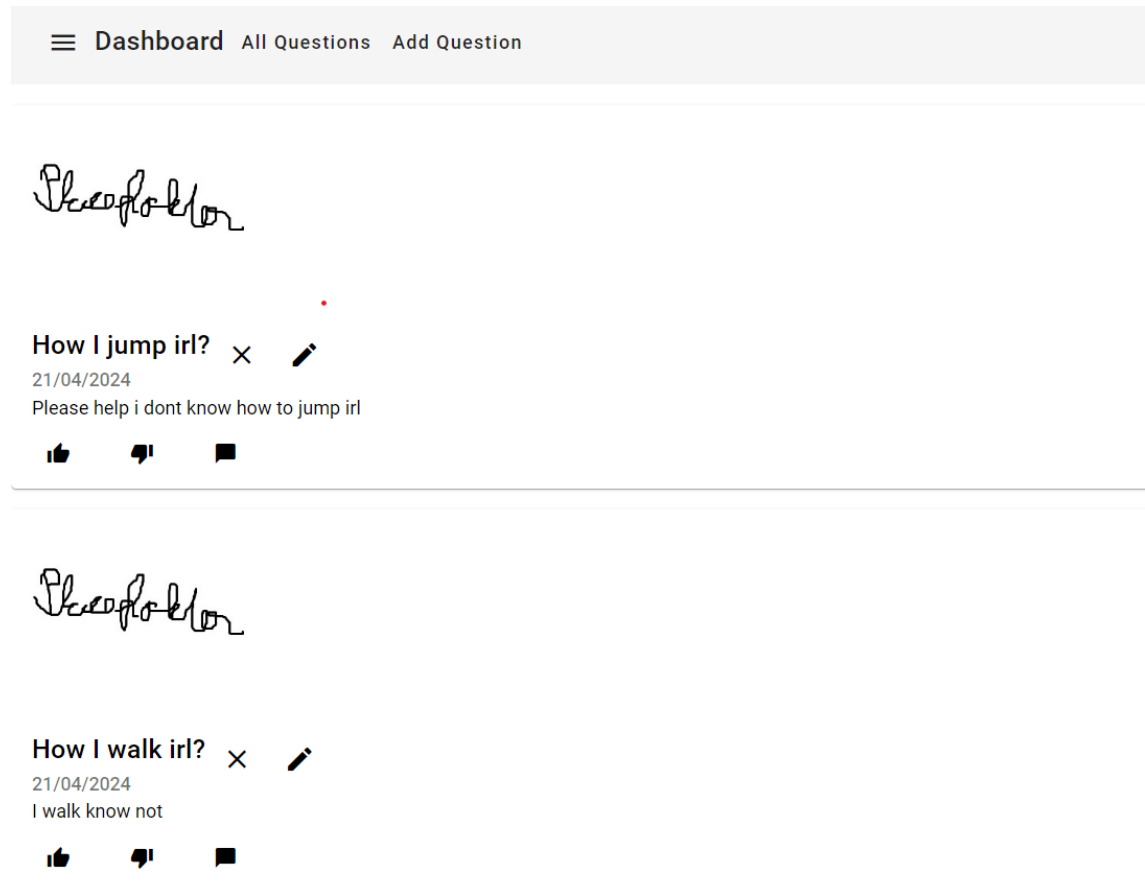
The objective of this assignment was to complete a big portion of the frontend for the final assignment.

For this assignment I:

- Created pages for questions, answers to a questions and user profile
- Used components to achieve a modular design
- Tested my implementation using a JSON-like object

## 1.2 Created pages

### 1.2.1 Questions page



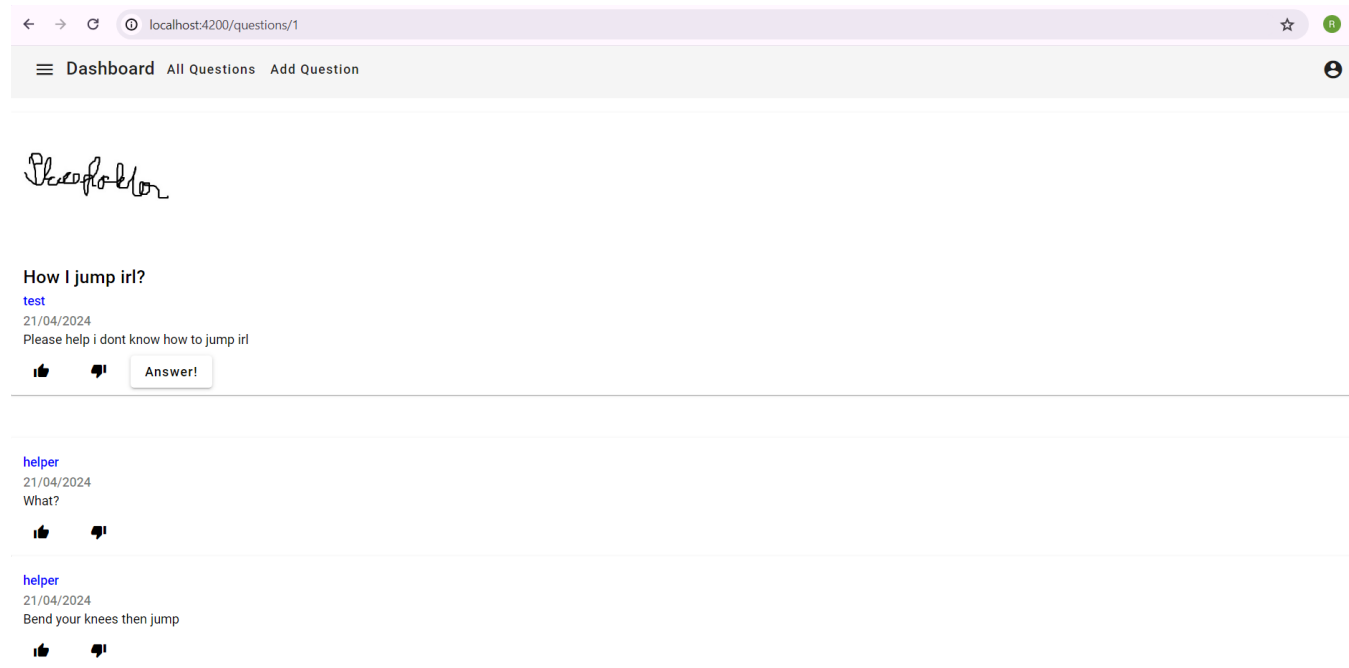
Only the user that created a question can edit or delete a question

A user can create a new question by pressing the add Question button in the navbar

A user can see the answer to a question if he presses the dialog icon

## 1.2.2 Answers page

Once the user presses the dialog icon in the previous page he is presented with the answers page.

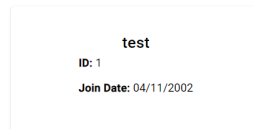
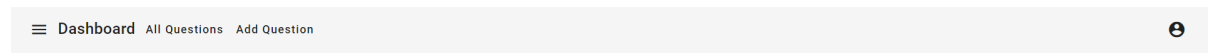


In this page a user can view all the answers given to the questions and add a new answer by pressing the answer button

A user can also delete or update an answer only if he is the creator of that answer.

### 1.2.3 User profile

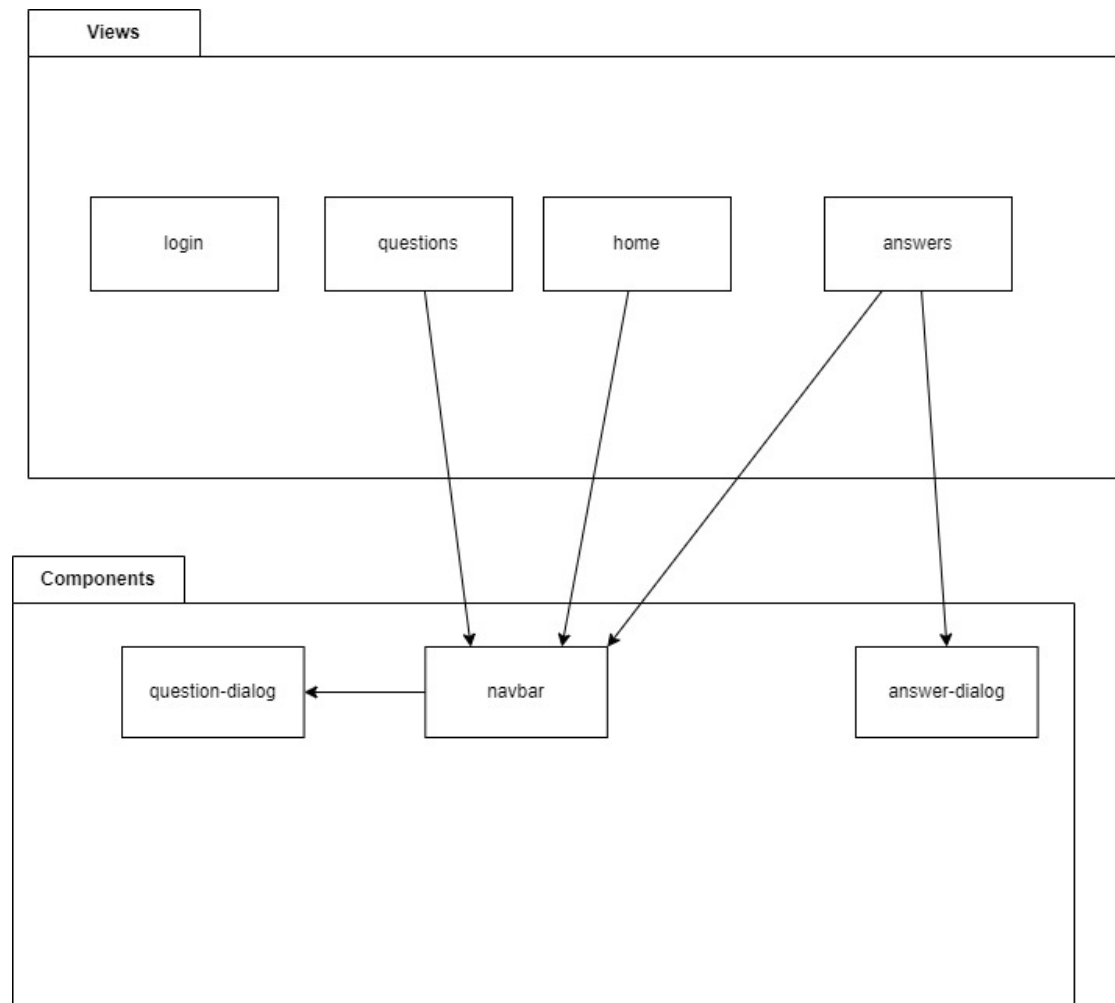
If the user click the profile icon in the top right of the navbar or if he clicks the username of another user he will be redirected to the user profile page.



## 1.3 Component hierarchy

My components are divided into 2 packages:

- Views package: containing the page layouts
- Components package: containing smaller components that make up a view



## 1.4 Testing

In order to test my implementation I used a JSON-like array due to its ease of use. I also used the following interfaces in order to encapsulate the data contained in the object:

```
export interface Answer {  
  1 usage  
  aId : number;  
  1 usage  
  qId: number;  
  1 usage  
  authorId: number ;  
  5+ usages  
  text: string;  
  1 usage  
  createDate: string;  
}
```

```
export interface Question {  
  4 usages  
  qId : number;  
  3 usages  
  authorId: number;  
  5+ usages  
  title: string ;  
  5+ usages  
  text: string;  
  2 usages  
  createDate: string;  
  2 usages  
  path:string  
}
```

```
export interface User {  
  2 usages  
  id : number;  
  1 usage  
  username: string;  
  no usages  
  password:string;  
  1 usage  
  joinDate:string  
}
```