



## Front-End Internship Assignment

### Objective:

Develop a dashboard page with specific functionalities using provided [dummy data APIs](#). You will focus on front-end development, emphasizing user interface design, data handling, and client-side data persistence.

### Key Features & Requirements:

#### Timeline:

- The assignment is expected to be completed and submitted within 48 hours from the time of receiving the assignment.

#### Structure:

- The application consists of two main screens:
  - Profile Screen: Use the first record from the users' dummy api
  - Comments Dashboard: Displays all the comments from the dummy api

#### Profile Screen Functionalities:

- Load the users' data from the [dummy users api](#). Use the first record from that.
- The profile screen is not editable.
- Make sure to add the functionality to go back to the dashboard page
- Integrate proper routing between profile -> dashboard page

#### Comments Screen Functionalities:

- Data Population: from the [dummy comments api](#) you will get 500 records. Represent them as a paginated data grid.
- Pagination: Ensure you are not using any in-built library feature to implement pagination. All the logic related to the selection of page and page size should be custom implemented. The page size options are 10, 50 and 100.
- Searching: implement partial search logic for name, email and phone.
- Sorting: implement the sorting logic for Post ID, Name and Email.  
Behavior:
  - If name sort is clicked then it will sort the grid such that the name column is in ascending order.
  - If the user clicks on the name sort again, it will sort in descending order.
  - Sorting modes will cycle between *no sort*-> *ascending* -> *descending*-> *no sort*

for each successive click on the column

- Sorting should be active on only 1 column at a time

- When we refresh the page it should persist search, sort, page and page size filters.

### **Technical Specifications:**

- For constructing user interfaces, make use of [React](#).
- Implement UI components using any library of your choice.
- Please ensure that all the code is written in TypeScript. Avoid using plain JavaScript.
- Ensure cross-browser compatibility (Edge, Firefox, Chrome).

### **Evaluation Criteria:**

- Requirement and functionality coverage
- Core logic implementation and understanding
- Design quality of the screens (refer to provided wireframes but feel free to enhance the UI).
- Responsiveness and mobile optimisation of the screen
- Routing between the pages.
- Cross-browser functionality
- Usage of self-implemented components over library components
- Additional plus points for usage of typescript

### **Submission Instructions:**

- Exclude the node\_modules directory when zipping the folder.
- Upload the zipped folder to Google Drive and share the link.

### **Note:**

This assignment is a critical component of your internship application. It will assess your technical skills, problem-solving abilities, and attention to detail. Good luck!

Wireframes:

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Ervin Howell

Sort Post ID

Sort Name

Sort Email

Search name, email, comment

Post ID	Name	Email	Comment
12345678	Labore ex et quam	eliseo@gardner.biz	Laudantium enim quasi est quid...
12345679	Quo vero reiciendis velit	jayne_Kuhic@sydney.com	Est natus enim nihil est dolore omnis volup...
12345680	Odio adipisci rerum	nikita@garfield.biz	Quia molestiae reprehenderit quas...
12345681	Alias odio sit	lew@alysa.tv	Non et atque\occaecati deserunt quas...
12345682	Vero eaque aliquid	hayden@althea.biz	Harum non quasi et ratione\ntempore iure...
12345683	Et fugit eligendi deleniti	presley.Mueller@myrl.com	Doloribus at sed quis culpa deserunt...
12345684	Repellat consequatur	dallas@ole.me	Maiores sed dolores similique...
12345685	Et omnis dolorem	mallory_Kunze@marie.org	Ut voluptatem corrupti velit\nad...
12345686	Provident id voluptas	meghan_Littel@rene.us	Sapiente assumenda molestiae...
12345687	Eaque et deleniti atque	carmen_Keeling@caroline.name	Voluptate iusto quis nobis reprehenderit...

1-10 of 100 items

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2

10 / Page

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← Welcome, Ervin Howell

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