

FLUTTER CHALLENGE

Guidelines:

1. Upload your solutions to a public code repository such as GitHub, GitLab, or BitBucket and share the link to us.
2. Make sure your experience in Software Engineering is reflected in the solutions you produce; we will be evaluating, amongst other things:
3. Best coding and design practices
4. Cleanliness of the code
5. App architecture
6. Extensibility and maintainability
7. Correctness
8. Please solve this test using Dart & Flutter
9. Make sure to include instructions on how to setup and run your solutions.
10. We expect the solutions to be provided within 24 hours from receiving this email.

Given a list of contact names (`List<String>`), render an address book list where the names are grouped by their first character.

Requirements:

- Implementation should be done in it's own widget, expected to be called `GroupView`, which will be receiving the items.
- It should be a single, scrolling widget.
- It should only display valid elements.
- Each element should be tappable, and the next screen should just display the name in detail.
- The widget should be generic, and be able to work with any data type.
- Preferably the widget should use `slivers` and a `customscrollview`.
- It should be possible to add a header and footer widget to the list.
- A search field should be available to search and filter the list by name,
- Describe in the `README.md` file why a “scroll to index” behaviour is not as straightforward.
- Describe in the `README.md` file the approach taken to solve the challenge and the architecture of the app.

Sample input:

```
final contacts = <String>[  
    'Marco Franco',  
    Raul Alday',  
    'Jessica Alba',  
    'Roger Waters',  
    'Darth Vader',  
    'Homer Simpson',  
    'Bill Gates',  
    'Elon Musk',  
    'Enrique Peña',  
    'Angeles Rodriguez',  
    'Monica Alvarado',  
    'Estrella Fugaz',  
    'Juana Lopez',  
];
```