

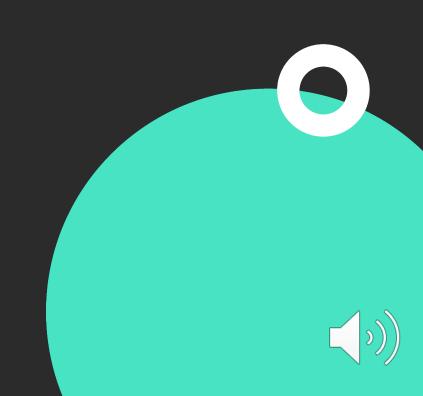
# Sticky Grouped Headers in Flutter



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## Course Demo App

Need to create grouped sticky headers?

There is a new widget in town, the SliverMainAxisGroup allows you to arrange multiple slivers together.

Create sticky headers that are pushed out of view as each sliver group scrolls by.

You'll learn to use the SliverMainAxisGroup with AppBar or SliverPersistentHeaderDelegate to create sticky headers.

#### Abigail Van Buren

If you want your children to turn out well, spend twice as much time with them, and half as much money.

**Quotes by Sliver Group** 

#### **Abraham Lincoln**

It's not the years in your life that count. It's the life in your years.

#### **Albert Einstein**

- Strive not to be a success, but rather to be of value.
- A person who never made a mistake never tried anything new.







### Overview

- CustomScrollView using slivers for scrolling effects and performance
- Group slivers with SliverMainAxisGroup widget containing sticky headers and grouped data
- Create sticky headers for each group by using SliverAppBar
- Alternatively create sticky headers for each group by using SliverPersistentHeaderDelegate
- Format actual grouped data with ListTile and leading Icon
- Create a service to load Json quotes List and Map them to a class model
- Create reusable widgets
- No third-party packages needed





Group data list by Author

```
extension GroupByAuthorMap on List<Quote> {
   Map<String, List<Quote>> groupByAuthorMap() {
     final groupByAuthorMapList = <String, List<Quote>>{};

   forEach((quote) {
        (groupByAuthorMapList[quote.author] ??= []).add(quote);
     });
     return groupByAuthorMapList;
   }
}
```





- Group data list by Author
- Use SliverMainAxisGroup to group list to show the Sticky Header and the Quotes List by Author

```
SliverMainAxisGroup(
    slivers: [
        // Sticky Grouped Header,
        // Quotes List by Author,
    ],
),
```





- Group data list by Author
- Use SliverMainAxisGroup to group list to show the Sticky Header and the Quotes List by Author
- Use SliverMainAxisGroup to group list with SliverAppBar and QuotesByAuthor widgets

```
SliverMainAxisGroup(
  slivers: [
    // Sticky Grouped Header,
    // Quotes List by Author,
SliverMainAxisGroup(
 slivers: [
   SliverAppBar(),
   QuotesByAuthor(),
```





- Group data list by Author
- Use SliverMainAxisGroup to group list to show the Sticky Header and the Quotes List by Author
- Use SliverMainAxisGroup to group list with SliverAppBar and QuotesByAuthor widgets
- Alternatively use the SliverPersistentHeaderDelegate for sticky header

```
SliverMainAxisGroup(
  slivers: [
    // Sticky Grouped Header,
    // Quotes List by Author,
SliverMainAxisGroup(
  slivers: [
    SliverPersistentHeader(
      delegate: StickyHeaderDelegate(),
    QuotesByAuthor(),
```







# Get the Starter Project

Up Next

You can import the **starter project** from **source-code/starter-project** directory provided in **Study Materials** of this course





## Summary

- Used CustomScrollView slivers for scrolling effects and performance
- Grouped slivers with the SliverMainAxisGroup widget containing sticky headers and grouped data
- Used SliverAppBar to create sticky headers for each group
- Alternatively used SliverPersistentHeaderDelegate to create sticky headers for each group
- Used ListTile and leading Icon to view grouped data
- Created a service to load Json quotes List and Map them to a class model
- Created reusable widgets
- Did not use third-party packages







## Thank You



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