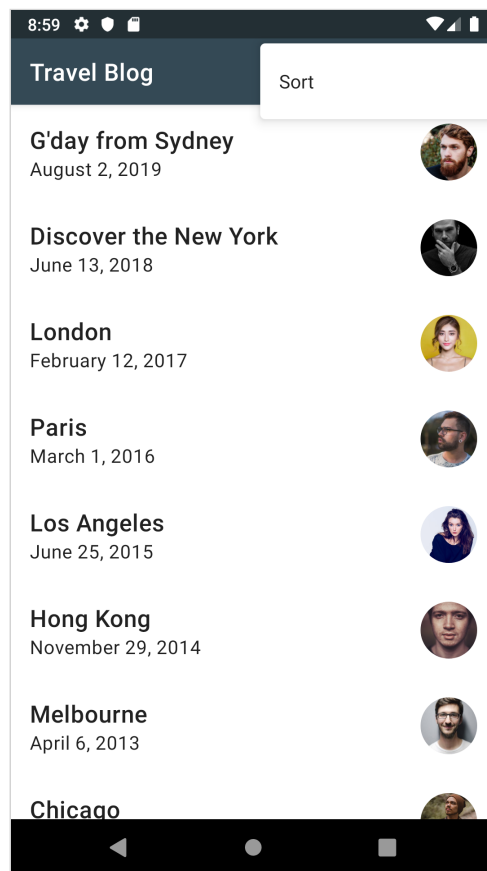
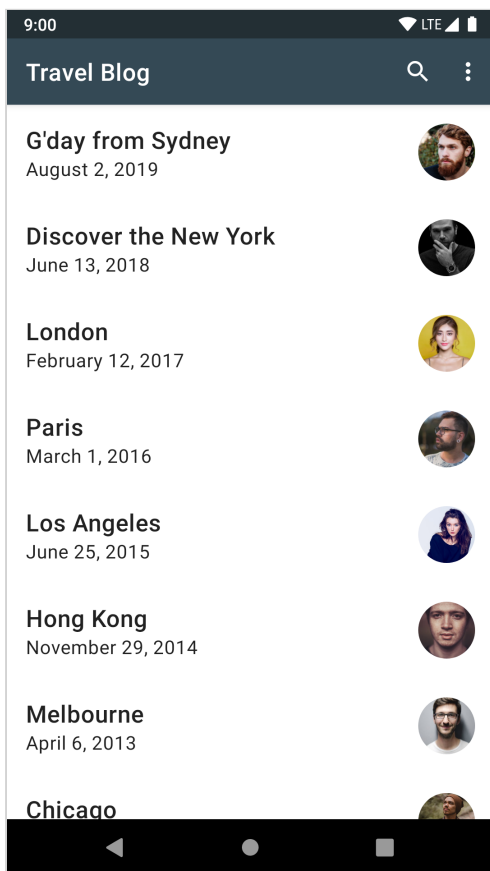


Overview

In this chapter, we will learn how to implement search and sort functionality for the list screen.

Mobile devices usually have small screens in comparison to laptops, which means it's harder to present and work with big amounts of data. That's why we are going to implement search and sort functionality to help the user find relevant information faster.

Most of the actions related to the screen are places in the **Toolbar** menu, and that's where we are going to put search icon (*left image*) and sort menu item (*right image*).



To implement the sort logic, we are going to use the [Collections.sort](#) method along with the custom [Comparator](#) and [String.compareTo](#) method. For the search functionality, we are going to simply filter the list by title relying on the [String.contains](#) method. It's strongly advised to familiarize yourself with these methods and refresh your knowledge working with collections in Java before

proceeding to the next lesson.

To learn more about search patterns on mobile devices, check out the [material design search](#) case study.

The next lesson will delve further into the implementation of sort functionality on the list screen.