

Build a To-Do List app

Mock:

The mockup shows a mobile application interface for a To-Do List. At the top, there is a dark blue header bar with the title "ToDoList" in white. Below the header is a light gray input field with a pink underline, followed by a gray "ADD" button. The list of tasks is displayed below the input field. Each task is on a new line. Tasks that are completed are highlighted with a light green background and have a pink checkmark icon on the right. The tasks are: "new task 1" (completed), "delectus aut autem", "quis ut nam facilis et officia qui", "fugiat veniam minus", "et porro tempora" (completed), "laboriosam mollitia et enim quasi adipisci quia provident illum", "qui ullam ratione quibusdam voluptatem quia omnis", "illo expedita consequatur quia in", "quo adipisci enim quam ut ab" (completed), and "molestiae perspiciatis ipsa". The bottom of the screen shows a black navigation bar with three white icons: a back arrow, a circle, and a square.

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ToDoList

ADD

- new task 1 ☒
- delectus aut autem ☐
- quis ut nam facilis et officia qui ☐
- fugiat veniam minus ☐
- et porro tempora ☒
- laboriosam mollitia et enim quasi adipisci quia provident illum ☐
- qui ullam ratione quibusdam voluptatem quia omnis ☐
- illo expedita consequatur quia in ☐
- quo adipisci enim quam ut ab ☒
- molestiae perspiciatis ipsa ☐

Requirements:

1. Build a to-do list app similar to the UI according to the mock provided
 - a. Must use RecyclerView
2. Retrieve a list of tasks from an open API:
 - a. <http://jsonplaceholder.typicode.com/todos?userId=1>
 - b. Will accept 3rd party API libraries such as Retrofit/Volley/etc
3. Pressing ADD button will add a new task to the **top** of the list
 - a. Name of task will be whatever is entered in the edit text
 - b. Tasks cannot be blank
4. EditText should reset back to blank after a user adds a task
5. Pressing on the Checkbox next to a task will toggle the state of the task
 - a. Done tasks are green background (#D3F4D3) and checked
 - b. Undone tasks are white background (FFFFFF) and unchecked
6. List of items must recycle properly

Estimated time required: **2 hours**

Bonus if you have more free time:

1. Add a swipe to delete gesture to the list items

and/or
2. Improve UI/UX:
 - a. Make tasks single line and ellipsized
 - b. Add clicking on the name of the task to toggle between showing fully expanded or single line versions
 - c. Grey out and strike-through the task if the user checks the task off
and/or
3. Write some unit tests or instrumentation tests