

Exercise: “Catalog Viewer” (List → Detail with Search & Favourites)

Goal

Create a **single-screen list** with a **detail view** for items from a small JSON catalog. Include **search** and the ability to **favorite** items.

Starter data

```
{  
  "updatedAt": "2025-01-15T10:00:00Z",  
  "items": [  
    { "id": "bk_001", "title": "The Blue Fox", "category": "Fiction", "price": 12.99, "rating": 4.4 },  
    { "id": "bk_002", "title": "Data Sketches", "category": "Non-Fiction", "price": 32.00, "rating": 4.8 },  
    { "id": "bk_003", "title": "Swift Patterns", "category": "Tech", "price": 24.50, "rating": 4.1 },  
    { "id": "bk_004", "title": "Kotlin by Example", "category": "Tech", "price": 21.00, "rating": 4.3 },  
    { "id": "bk_005", "title": "Windswept", "category": "Fiction", "price": 14.25, "rating": 3.9 }  
  ]  
}
```

Functional requirements

1. **List:** Render all items with title, category, price, rating.
2. **Search:** Filter by title as the user types (case-insensitive).
3. **Detail:** Tapping an item shows a detail view with the full record.
4. **Favorites:** Toggle favorite; favorites persist across app restarts (any local persistence is fine).
5. **Empty/Error states:** Show friendly UI if the list is empty **or** if the JSON fails to load.
6. **README:** How to run + 2–3 paragraphs on design choices/trade-offs.

Deliverable should be runnable in ≤ 2 commands and include at least **one unit test**

Non-requirements (keep the brief small)

- No real network or auth required; they can bundle the JSON or serve it locally.
- No design system or fancy visuals required