

PART 2: Practical Test (45 – 1hr)

Short Practical Challenge

Build a simple "User Profile Viewer" Flutter app:

- Screen has a search field at the top (real-time filter).
- List of users shown below (use our api endpoint : http://redappletechnologies.co.za/test_env/interview/api/)
- Tapping a user shows a detail screen (e.g., name, email, avatar).
- Use either `ListView.builder()` or `FutureBuilder()` as needed.

What We're Evaluating:

- App structure and readability.
- Use of widgets and layouts (`Column`, `ListView`, etc.).
- Navigation and state handling.
- Error handling (e.g., empty list, bad input).
- Clean UI implementation.

Sample JSON response from our api endpoint

```
{
  "status": "success",
  "data": [
    {
      "id": 1,
      "name": "Thabiso Mkhize",
      "email": "thabiso@example.com",
      "avatar": "https://i.pravatar.cc/150?img=1"
    },
    {
      "id": 2,
      "name": "Zanele Dlamini",
      "email": "zanele@example.com",
      "avatar": "https://i.pravatar.cc/150?img=2"
    }
  ]
}
```