Question

Build **one Flutter screen** that mimics a **Daraz-style product listing**, with the following constraints:

Layout

A **collapsible header** (banner/search bar)

- A **tab bar** that becomes **sticky** when the header collapses
- **2–3 tabs**, each showing a list of products (mock data is fine)

Scrolling (Most Important)

- There must be **exactly ONE vertical scrollable** in the entire screen

Pull-to-refresh must work from **any tab**

- Switching tabs must **not reset or jump** the vertical scroll position
- No scroll jitter, conflict, or duplicate scrolling
- The tab bar must remain visible once pinned

Horizontal Navigation

• Tabs must be switchable by:

Tapping

Horizontal swipe

• Horizontal swipe must **not introduce or control vertical scrolling**

• Gesture handling must be intentional and predictable

Architecture Expectations

• Sliver-based layout is expected

• Clear separation of:

UI

Scroll / gesture ownership

State

• Avoid fragile solutions (magic numbers, global hacks, etc.)

Use
Fakestore api : https://fakestoreapi.com/

login and show also user profile

Mandatory Explanation

Include a short **README or code comments** explaining:

1. How horizontal swipe was implemented
2. Who owns the vertical scroll and why
3. Trade-offs or limitations of your approach

If you run out of time, explain your approach instead of forcing an incomplete solution.

Submission

GitHub repository or zip

- Simple run instructions (`flutter run`)

Evaluation Focus

- Correct single-scroll architecture
- Absence of scroll/gesture conflicts
- Clean, understandable structure
- Ability to reason and explain decisions

Note:

This is **not a UI task**.

This is a **scroll-architecture and gesture-coordination problem**.

Submission Deadline: 28/ 02/2026   11:59PM
Submission Link: https://forms.gle/QhVyeevyLxrZkMFq6