

Technical Requirements - Study Feed Switcher

Challenge is accessible on Memberspot: <https://pl-coding.mymemberspot.de/library/jx3b7Qik9ip5qpNI8IF2/iMAc7c4itoDq2QCeNBz7/72FlIRIUCS9djfEXTSz4>

Scenario

You launch a sleek new study app and everything looks perfect—until someone tilts their phone sideways and the vertical list just... stays vertical. Awkward. Meanwhile, tablets are stuck pretending to be giant phones. Let's face it: your feed needs to *adapt*. Whether users scroll or swipe, one card at a time should shine like it belongs there.

Time to make your feed smarter than gravity.

Figma Mockups

<https://www.figma.com/design/oQ2mDPsXk8NAbVU4H5BiWN/May-Mini-Challenges--Learning---Study-Tools?node-id=33-1658&p=f&t=Nmwte6ytEYKU7Bss-0>

Feature Goal

Create a fullscreen, responsive feed of lesson cards that switches between vertical scrolling and horizontal paging based on device orientation and screen size, using adaptive layout techniques.

Requirements

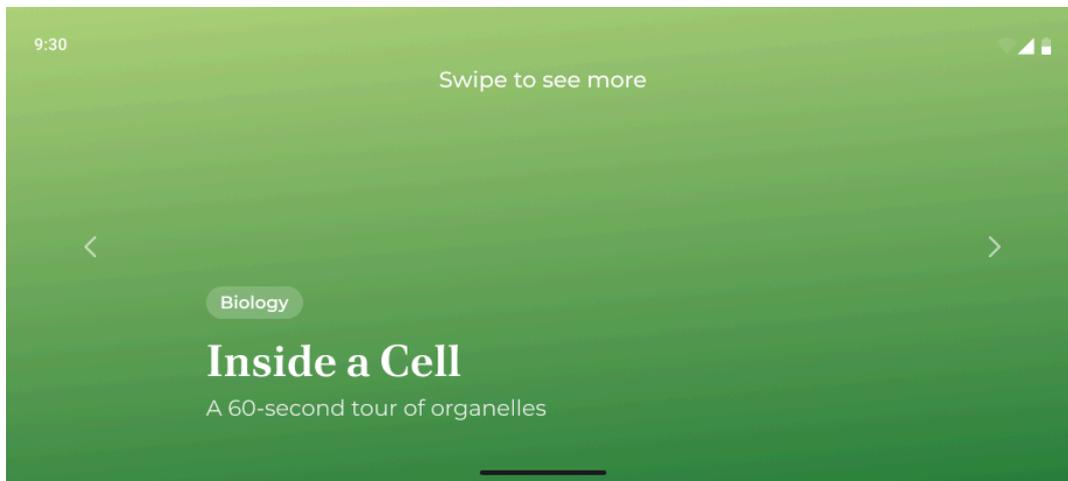
- Full screen list items “feed” where each item has a background, and info block
- Full screen (edge-to-edge) background
 - The colour gradient depends on the content show. See the full list below the requirements section
- Study topic info column block
 - Chip with text that represents the subject the topic is related to
 - Title of the study topic. Overflow text should wrap to the next line
 - Short description of the study topic. Overflow text should wrap to the next line
 - Always placed at the bottom left corner of the screen
- Chevron icons visible at the opposite edges of the screen pointing to each edge of the scroll direction of the feed
 - Top and bottom placement: phone and tablet potrait mode
 - Start and end placement: phone and tablet in landscape mode
 - The feed should loop through the items, meaning when at the first item, the user can scroll to the last item or the 2nd item in the list
- “Swipe to see more” text
 - Always placed at the top centre of the screen
 - **Only visible** when the user has not scrolled for more than three (3) seconds
 - Text should have a slight fade in and out animation while visible
 - Hide the text once the user scrolls



Phone Portrait



Phone Portrait with swipe to see more text



Phone landscape

Content:

Title • short description • subjects • background gradient

1. "Inside a Cell" • A 60-second tour of organelles • Biology • Leaf-green gradient
2. "Fractions in a Flash" • Understand halves, thirds, and quarters fast • Math • Indigo gradient"
3. "WWII at a Glance" • Key events and dates distilled into one minute • History • Amber gradient
4. "Bonjour Basics" • Greet and introduce yourself in French • Language • Denim-blue gradient
5. "Sketch Like Picasso" • Quick warm-up for abstract line art • Art • Coral gradient
6. "Binary in 60 Seconds" • Count to 32 on one hand using binary • Computer Science • Teal gradien

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7. "Chord Progression 101" • The I-V-vi-IV pattern explained • Music • Plum gradient

8. "Mountains & Valleys" • How tectonic plates shape landscapes • Geography • Earth-brown gradient

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What's Allowed?

- Standard Android/Jetpack libraries
- No 3rd party libraries are allowed or would be required to complete this challenge

What's not important

- Perfect recreation of the mockup - it just needs to reasonably resemble the mockups

Disclaimer

This challenge flips your layout logic on its head—literally. Get ready to *scroll with the flow* and master Compose responsiveness like a pro.

Submission & Rewards

- A successful submission of this challenge via the `/submit-challenge` command on Discord grants you **125 XP**. You can use it in any channel on [Discord](#) :)
- A successful submission consists of these parts
 1. A link to a Gist showing your code for this challenge.
 2. A screen recording (40s max) showcasing how you scroll between the feed items. Change the orientation of the device during the recording and continue scrolling.
 - a. Recording can be done with Tablet or Phone