Hackathon assignment - NewU

Summary

🏁 **Deadline:** Today at 16:00 CET (8 hours from start)

🎯 **Goal:** Implement a breathing exercise feature for **mobile and web**, and host the web version online.

❓ **Questions:**
Questions can be asked between **08:00 and 09:00 CET**.
👉 Send questions to **bart@newu-app.com**.
Only questions received before 09:00 CET will be answered.

✅ **Deliverables**

Before **16:00 CET**, send an email to:

Please pay attention to this deadline, if you send it in past 16:00, we might not review your work.

- bart@newu-app.com
- development@newu-app.com

Include the following:

1. Must have: URL of the hosted web application (hosting location is your choice)
2. Must have: GitHub repository link
3. Bonus: Max. **5-minute video** demonstrating the functionality on **mobile and web**
4. Bonus: Max. **5-minute video** explaining the **codebase and architecture**

✅ **Feedback**

Within 7 days after your assignment you will receive an email with feedback.

- Message if we continue the hiring process
- A video with feedback on your work.

The assignment

👇 **Implement the functionality shown in Figma**
Password: **IAmARockstarEngineer**
Figma:
https://www.figma.com/design/sTnd5MkqLHRxvreb2abYIL/Breathing-app?node-id=2328-10733&t=3Swp20TRKc9ak2xB-1

Please note that there is also a page with the assets.

Requirements

- The design must match the Figma file **pixel perfectly**.
   Designers will review and score visual accuracy.
- All functional details must work correctly.
   QA will review functionality.
- Development should be **mobile-first**.
- Provide a responsive **desktop version using Flutter Web**.

Challenges

You may not have experience with Flutter Web. Useful reference:
https://flutter.dev/multi-platform/web

Focus areas:

- Pixel-perfect implementation
- Complete and correct functionality
- Responsive layout behavior
- Scalable and well-structured codebase

Quality over quantity

Code quality is more important than feature quantity.

If you run out of time, prioritize:

1. Clean, readable code
2. Design accuracy
3. Stable functionality

over adding extra features.

If you can't finish everything

- No problem. Simply ensure you submit your work **before 16:00 CET**.

Preferred, but not mandatory

- Clean Architecture
- Bloc for state management

Our scoring criteria are

Your submission will be evaluated on:

1. **Functionality** – Does everything work as expected?
2. **Design** – Does the UI match the Figma pixel perfectly?
3. **Architecture** – Is the codebase scalable and well structured?
4. **Code quality** – Is the code readable and well documented?

You got this. We wish you the best of luck! We're very excited to see the results.

Kind regards,
Bart