

Frontend Take-Home Assignment – “Loan Stats”

Welcome! This short assignment tests your React skill.

Goal

Build a small Next.js app that displays two loan-stats charts (TVL and APY) and lets users toggle between them using tabs.

Endpoints:

- TVL (7 days):
https://identity.api.prod.metalx.com/v1/loan/stats/tvl?token_symbol=XUSDC&days=7
- APY (7 days):
https://identity.api.prod.metalx.com/v1/loan/stats/apy?token_symbol=XUSDC&days=7

Requirements

- Use **Next.js** (App Router preferred).
- Create a single page with **two tabs**:
 - **TVL** → display a chart of the TVL data
 - **APY** → display a chart of the APY data
- Charts may be made with any library (Recharts, Chart.js, ApexCharts, etc.).
- Show **loading** and **error** states.
- The UI should be **clean, polished, and responsive**.
- Organize code clearly and use good modern React/Next.js patterns.
- Google and AI tools like ChatGPT or Cursor are allowed
 - Show their use in your screen recording to demonstrate your workflow.

Deliverables

1. **Deployed URL** (Vercel or similar).
2. **Screen Recording** showing development, testing, and deployment.
3. **Public GitHub Repo** with:
 - Source code
 - **README** with run instructions, **QR code**, and links to video & build.

Suggested Flow

1. Create a new Next.js project
2. Build a tab UI (TVL / APY)
3. Fetch both endpoints
4. Render each dataset in a chart
5. Add loading + error handling
6. Apply styling and polish
7. Deploy + record walkthrough

Bonus Ideas (Optional)

You may add extra polish such as a light or dark theme toggle, smooth chart animations, or refined responsive styling to further showcase the quality of your UI and overall craftsmanship.

Submission

Submit:

- GitHub repo link
- Screen recording link
- Vercel or Netlify link to final product

Expected time: **~2 hours**. Keep it clean and functional. Good luck!