

OnTask

IEEE Final Showcase

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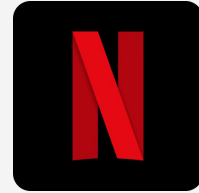
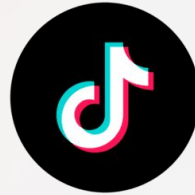
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The Problem

We often get distracted when we study.
We open up social media, entertainment
platforms, and more on our computers.

What if your computer didn't let you get off task?



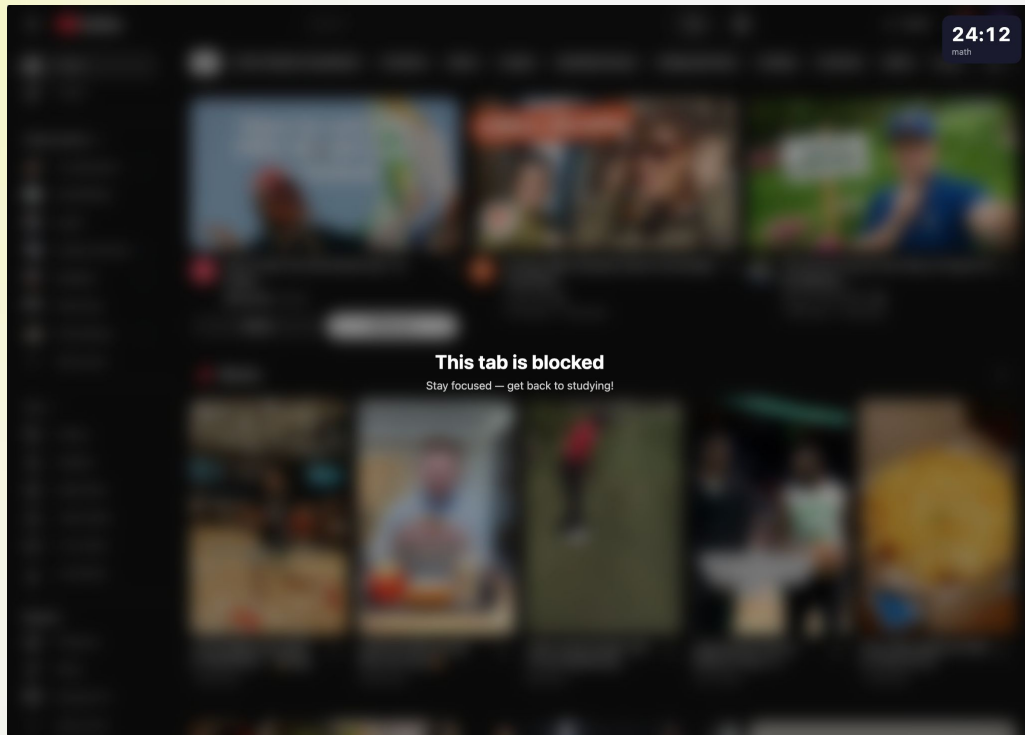
Existing Solutions

Existing solutions to this problem:

- Use static blacklists
- Don't integrate timers
- Are geared towards phones
- Aren't social/incentivized

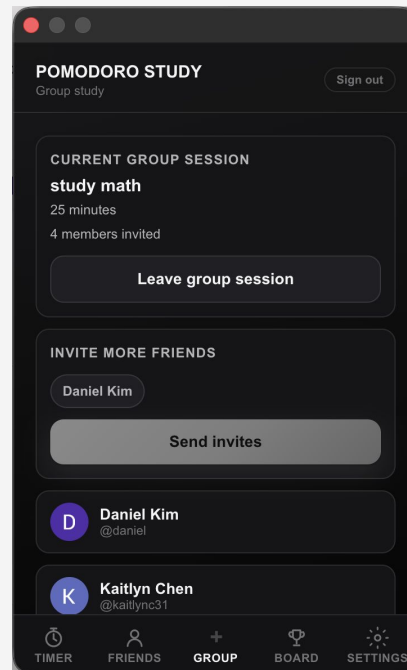
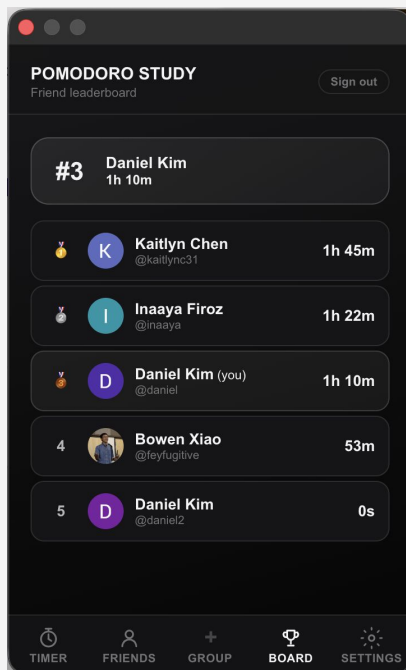
OnTask is different.

- Intelligent tab blocking
- Pomodoro timer integration
- Works natively on your browser
- Incentivizes staying on task



How does OnTask make studying social?

- Leaderboards with friends
- Group study sessions



Technical Details

Frontend:

- Chrome extension - React + TypeScript w/ Vite
- Background service worker w/ Chrome Alarms API

Backend:

- Express server w/ Google Gemini API
- Supabase tables: friendships, profiles, study_sessions, study_session_members
- Content script extracts metadata → background worker sends to server → receive LLM classification → content script applies/removes blur

Demo

Questions?

