***Why a mindline ? My developer mantra is simple if I can "see" it. I can build it.***

***Domain Name***

mylinkly.app

***User Domain Examples***

mylinkly.app/johnatan-joestar

mylinkly.app/usopp-edits

***IDEA***

Linkly is a smart link hub that tracks clicks, monitors your links’ uptime, and emails you when a link is used or goes down plus a weekly digest of what got traffic and what broke. It's basically like linktree but with more personalization and tracking of user links.   
  
***USE CASES***

**Student**

A student wants a single hub to keep all their important links, such as their portfolio, GitHub repository, and resume, so others can find them easily. The issue is that links can break if they change their GitHub username or repository name and forget to update it. This could cause employers to miss their work entirely. The student may also want to measure engagement by tracking how many people click through to their resume or portfolio page to get a good idea of how things are going  
  
**Small Start up/ project demo**

Has a link hub with Product Demo, Docs, Blog, Contact Form. It gets alerts if the demo crashes or docs return 404 and shows which links are getting analytics. It's an easier and cheaper way instead of having to set up a google analytics page.

**Content Creator/Streamer**

Uses it as a bio page with links to Discord, Patreon, Merch, Spotify and gets email if their Discord invite expires (broken link). Also gives a weekly report showing which platforms convert best.

***Core Features***

**Account creation & login** → user signs up, gets their own page.

**Customizable profile** → avatar, bio, add/remove/reorder links.

**Click tracking** → every link click gets logged.

**Uptime monitoring** → backend pings each link, marks it up/down.

**Email alerts** → notify when a link goes down.

I plan to keep it all in the same repo therefore using this structure

**File structure**

mylinkly/

README.md

client/ React frontend (Vite + Tailwind)

server/ # Nodejs/Express backend

prisma/ # For sql Prisma schema + migrations (SQLite)

package.json  
 package-lock.json  
  
  
**Tech Stack**

React frontend (Vite + CSS possibly migrate to tailwind afterwards)

Server( NodeJs/Express backend)  
 SQL lite (database using Prisma Schema)

**Deployment**

I plan to deploy to netifly for the frontend and railway for the backend. However I could deploy it a cloud service such as AWS

**Things I need to Brush up on  
.** Fs Module   
. Path Module

. Url Module

. SQl Queries

. Routing

**Things I need to Learn**

. Authentication

. SQLLite

. Deploying the right way/management of those deployments

**Success Criteria (MVP)**

*MVP is done when: a user can create an account, add links, track clicks, and get an email when a link goes down.*

**Polished Product***Customizable profiles, Analytics board, varying link icons,*

**Possible Challenges   
-** Setting up Cron

- Deployment ( can get very complicated and frustrating)

- Appealing UI designs ( going to have many mockups lol )

**Timeline**

An mvp of this project without authentication will take me about 3-4 weeks   
due to the fact that I am learning some things while I also am taking fulltime classes. Ill update the document with weekly progress to keep me accountable for things I have done.| Date started : August 23 2025 |

**WEEK 1**

**TO BE CONTINUED**