

# DIGITAL ACCESS HUB

TWO DUDES



FOR WEBSITE COMPETITION



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# Today's Plan

Agenda



- PROBLEM STATEMENT
- OBJECTIVE
- KEY FEATURES
- TECHNOLOGY STACK
- DEMO WALKTHROUGH
- CHALLENGES & SOLUTIONS

# Problem statement

Overview



## SDG 10 Goal

"Reduce inequality within and among countries"

This includes reducing barriers to digital access, public services, and opportunities for underserved populations.

## Local Inequality Challenges

Seniors and low-income families in Malaysia often:

- Lack digital literacy
- Struggle to access essential online resources
- Miss out on government aid, healthcare info, and education opportunities

## Our focus

- A community where everyone has equal access to digital resources and the skills to use them





## OBJECTIVE

**Build a website that:**

- **Simplifies access to government, health, education, housing, and transport resources**
- **Uses clear visuals, large fonts, and local languages**
- **Empowers users to find help quickly**

# Key Features

Brainstorm



## **CURATED WEBSITE DIRECTORY**



Categorized by service type (Government, Healthcare, etc.)

## **NEWS INTEGRATION:**



Latest relevant news for each resource category

## **ASSISTANCE REQUEST SYSTEM**



Way to schedule in-person or remote help

## **AI CHATBOT ASSISTANT**



A bot that guides users and helps reduce confusion

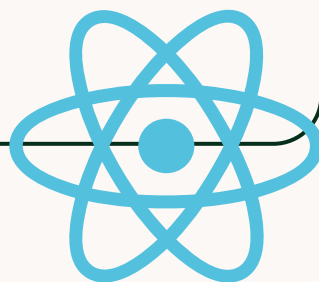
# Technology Stack

Tech



## FRONTEND

- Next.js (React framework)
- Tailwind CSS for styling
- TypeScript



## BACKEND

- Next.js API route
- Server-side rendering for performance

## EXTERNAL API

- NewsAPI for current news integration

## DATA STORAGE

- MongoDB
- CSV data for website listing

# The Next Step

Demo phrase



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# Challenges & solutions

Discussion



## CHALLENGES

- API rate limit
- Accessibility (e.g, small fonts, complex layouts)
- Content Overload (e.g, too many categories)

## SOLUTIONS

- created a fallback system by using Mock data for testing
- Used larger, high-contrast text and buttons
- Implemented categorized navigation: users can filter by topic (e.g., "Healthcare only")





**Thank you for  
your time!**

**Digital Access Hub**