Project Report Template

Title of Project: Café finder
Name of the Innovator: Zainab Bi
Start Date: 13-10-2025
End Date: 17-10-2025

Day 1: Empathise & Define

Step 1: Understanding the Need

- Which problem am I trying to solve?

Many people struggle to quickly find nearby cafés to relax, work, or meet friends. Existing apps can be slow, cluttered, or not focused only on cafés, making the search time-consuming. This project solves that problem by providing a fast and simple way to locate nearby cafés, view their ratings and distance, and get directions instantly — all in one easy-to-use app.

The problem is *Step 2: What is the problem?*

People often waste time searching through different apps or maps to find a good café nearby. They face issues like unclear locations, no quick way to check ratings or opening hours, and extra steps to get directions. This makes finding a nearby café slow and inconvenient.

Why is this problem important to solve?

This problem is important to solve because people want quick and easy access to nearby cafés without wasting time. Many rely on cafés for studying, working, or socializing, so making the search faster and simpler improves convenience and user experience. It also helps local cafés connect with more customers easily.

Take-home task

Ask 2-3 people what they think about the project:

- **1. Student (Rural College Student):**
  Design a **basic prototype or UI layout** of the app. Include a **Locate Me button, café list view, map view, filters**, and a **Get Directions button**. You can draw it on paper or use tools like Figma.
- **2. Teacher (Career Guidance Teacher):**
  Guide students on **coding, API usage, and UI design**. Provide feedback on the **app's functionality, usability, and correctness**. Help them understand how to fetch location data and display cafés dynamically.
- **3. Parent (From a Rural Area):**
  Encourage the student to **research local cafés** and **test the app on mobile devices**. Support with understanding **basic tech concepts** if needed and ensure the student completes the take-home tasks responsibly.
- ”

AI Tools you can use for Step 1 and 2:

AI Tools Used:

1. Meta MGX

- **Used to generate the basic app structure, UI design, and code for the Nearby Café Finder application.**

2. ChatGPT

- **Used to clarify concepts, refine the problem statement, suggest features, and guide step-by-step development of the app.**

Day 2: Ideate

Step 3: Brainstorming solutions

- To solve the problem of finding nearby cafés quickly, several solutions were considered:
- **Manual search on maps** – Users can type in "cafés near me" on Google Maps, but this is slow and cluttered.
- **Using multiple apps** – Checking different apps for ratings, distance, and opening hours, which is time-consuming.
- **Dedicated café finder app** – A simple, focused app that detects the user's location, shows nearby cafés with distance, ratings, and opening hours, and provides directions instantly.
- "Nearby Café Finder – an app to quickly find cafés near you."

Step 4: My favourite solution:

*My favourite solution is **Nearby Café Finder**, a complete digital platform designed to help users quickly locate cafés nearby. It combines a **GPS-based location service** to detect the user's position, a **list and map view** to display cafés with ratings, distance, and opening hours, and a **'Get Directions' feature** for easy navigation. Built using **Meta MGX**, the app is easy to access, responsive, and simple to use anytime, making it a **practical and user-friendly solution** for anyone looking for cafés in their area.*

Step 5: Why am I choosing this solution?

I am choosing the **Nearby Café Finder** solution because it directly solves the problem of finding cafés quickly and easily. It is **user-friendly, fast, and focused**, providing essential information like distance, ratings, and opening hours in one place. Using this app saves time, improves convenience, and makes the café-finding experience simple for everyone.

AI Tools you can use for Step 3-5:

AI Tools for Step 3–5

1. Meta MGX

- Used to automatically generate the app's **structure, UI design, and basic code**, speeding up development and ensuring responsive, clean layouts.

- **2. ChatGPT**
- Helps **brainstorm solutions, refine ideas, suggest features**, and provide **step-by-step guidance** for coding and implementing the app.

3. AI Chatbot References (for design and flow)

- **Provides examples of user interactions and conversational flows, helping design a smooth and intuitive navigation for users.**

4. AI Research Tools

- **Used to gather café data, ratings, locations, and trends, as well as UI/UX inspirations, making the app accurate, practical, and user-friendly.**

AI Tools you can use for the take-home task:

1. **Meta MGX – To create the app structure, UI design, and basic code for testing the Nearby Café Finder.**
2. **ChatGPT – To help brainstorm café features, refine the problem statement, and guide step-by-step development.**
3. **AI Chatbot References – To design smooth user interactions and navigation flow within the app.**
4. **AI Research Tools – To gather café data, ratings, locations, and design inspirations for the prototype.**

Day 3: Prototype & Test

Step 6: Prototype – Building my first version

What will my solution look like?

- **The solution will be a mobile-friendly web app with a clean, simple interface. It will have a 'Locate Me' button to detect the user's current location, a list view showing nearby cafés with name, address, distance, rating, and opening hours, and an interactive map view with pins for each café. Users can also click 'Get Directions' to open navigation, filter cafés by distance or rating, and save their favorite cafés for future visits.**

Design Style:

- The app will have a **clean, modern, and minimalistic design** with soft café-inspired colors. It will feature clear buttons like "Locate Me" and "Get Directions," interactive maps, and a **mobile-friendly layout** for easy navigation.

Prototype Tools:

- Built using **Meta MGX**, no coding required, with all features **interactive and testable**.

What AI tools will I need to build this?

AI Tools Needed to Build café finder

1. **Meta MGX**
    - To generate the app structure, UI design, and basic code.
2. **ChatGPT (or similar LLMs)**
    - To brainstorm ideas, refine features, and guide development.
3. **AI Chatbot Design References**
    - **To design smooth user interactions and navigation flow.**
4. **AI Recommendation Tools** *(Optional but useful)*
    - To suggest cafés or features based on user preferences.
5. **AI Data Analysis Tools** *(Optional for insights)*

    To analyse café data, ratings, and locations for insights.

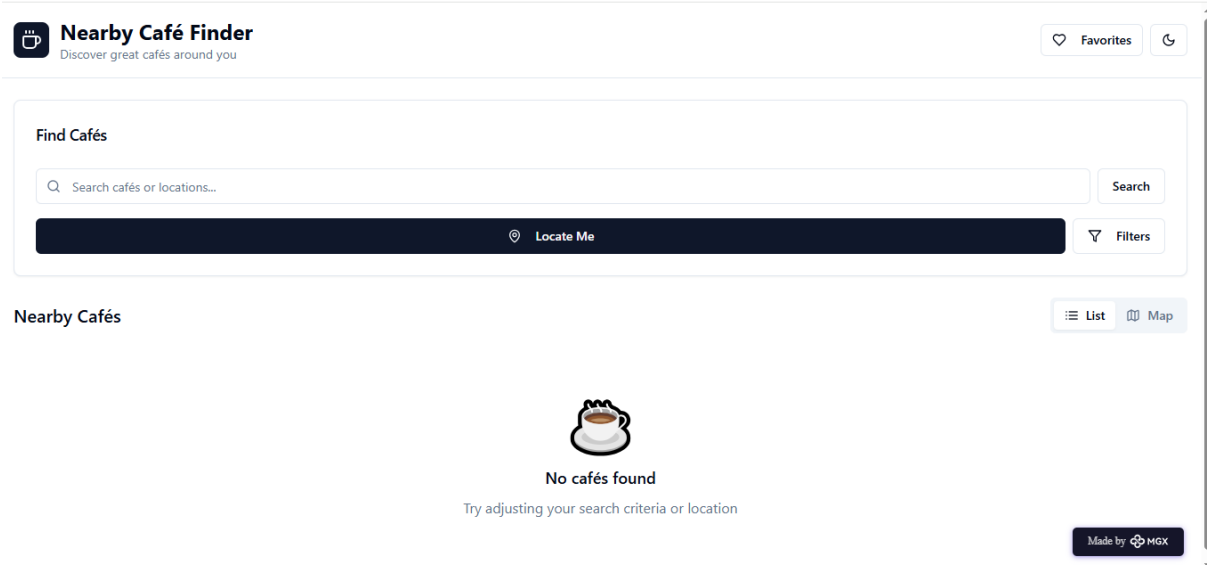
What AI tools I finally selected to build this solution?

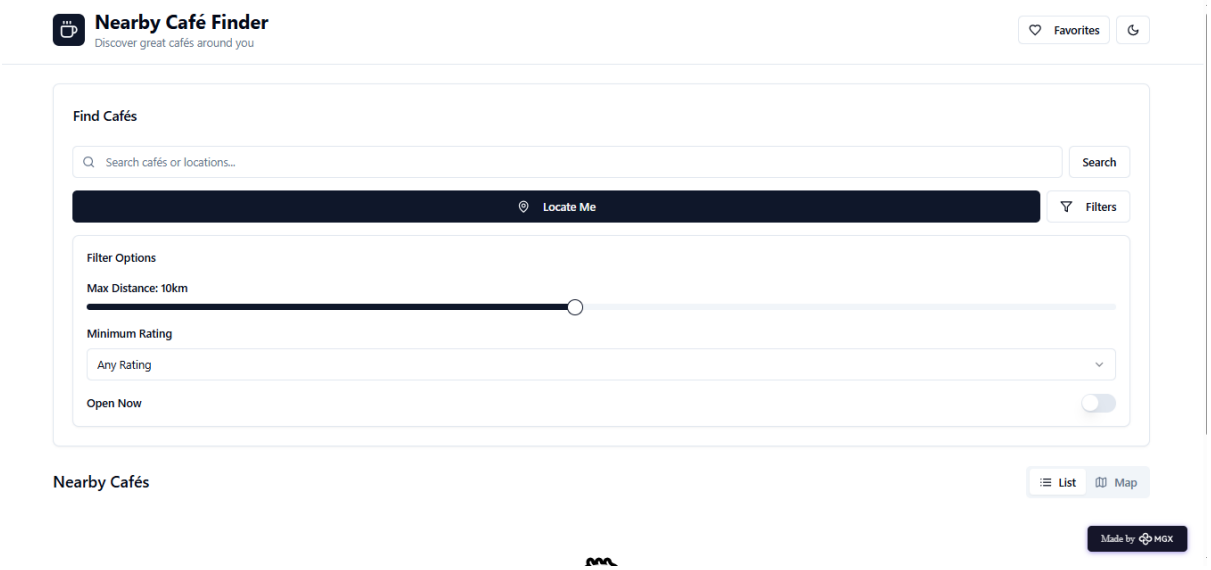
1. **Chat GPT**
2. **Metamgx**

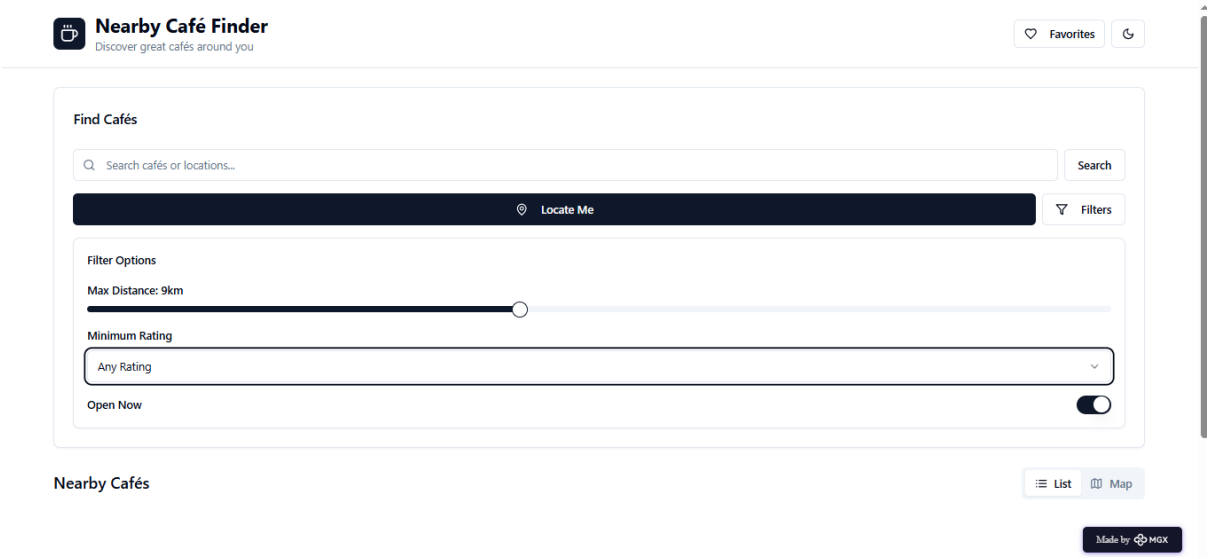
< Build The Innovation>

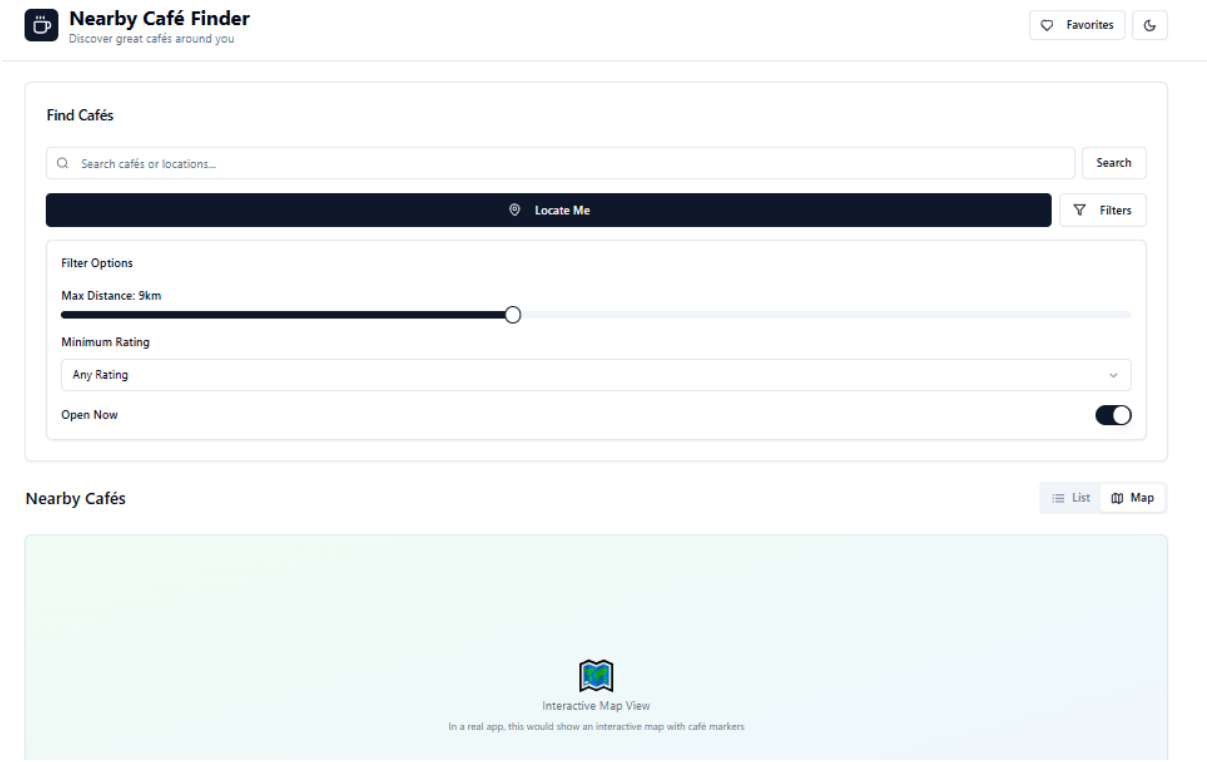
<DASHBOAD OF THE TOOL>

Tool Link: https://cafefinder.mgx.world




Nearby Café Finder
Discover great cafés around you
Favorites
Find Cafés
Search cafés or locations...
Search
Locate Me
Filters
Filter Options
Max Distance: 10km
Minimum Rating
Any Rating
Open Now
Nearby Cafés
List
Map
Made by MGX


Nearby Café Finder
Discover great cafés around you
Favorites
Find Cafés
Search cafés or locations...
Search
Locate Me
Filters
Filter Options
Max Distance: 9km
Minimum Rating
Any Rating
Open Now
Nearby Cafés
List
Map
Made by MGX



Step 7: Test – Getting Feedback

- Who did I share my solution with?

I shared my café finder solution with:

I shared my solution with **teachers** to get feedback on the technical structure and presentation. I discussed it with **classmates and friends** to understand what features students would use, like café ratings, directions, and filters. I also shared it with **parents** to get insights from a user group that values comfort and safety. Additionally, I interacted with **local café visitors and owners** to learn what information they'd like displayed in the app. This helped me **refine the design**, make it more **user-friendly**, and ensure it meets **real-world needs**.

- **Students from rural areas** –. I shared my solution with **teachers**, **friends**, **parents**, and **local café visitors** for feedback. I also shared it with **students from rural areas** to ensure the app is **easy to use** and **accessible to everyone**.
- **Teachers and career guidance counsellors** – to refine the structure and content.
- **Parents of rural students** – to understand their needs, and with
- **peers and mentors** to get feedback on design and usability.

What feedback did I receive?

Feedback: Pros and Cons

Pros (Positive Insights from Feedback):

1. **Pros:**
2. Teachers and counsellors appreciated the **simple design** and **clear purpose** of the app.
3. Parents liked the **easy navigation** and felt it would **help rural students** access opportunities more easily.
4. Peers and mentors praised the **location-based features** and **real-time information** idea.

Cons (Areas to Improve Noted in Feedback):

- Some users suggested adding **more filters and personalization**.
- A few mentioned that **internet access might be a challenge** in rural areas.
- Some recommended making the **interface more engaging** with visuals and icons.

My Response for The Feedback:
I appreciated the positive feedback on the app's simple and clear design. Based on the suggestions, I plan to **add more filters and customization options** to make it more useful for different users. To address internet challenges, I will explore **offline or low-data modes**. I will also make the **interface more engaging** by adding visuals and icons. This feedback helped me shape the app into a more **inclusive and user-friendly solution**.

👍 What works well:

What Works Well

- ✅ **Lifetime Access:** Users can access the platform anytime without restrictions.
- **Personalized Guidance:** Offers tailored support for students based on their needs.
- **Skill Building:** Helps users learn and grow through structured learning modules.
- 📍 **Location-Based Suggestions:** Provides nearby opportunities like cafés, training centres, or career options.
- 📱 **Mobile-Friendly and Intuitive:** Easy to navigate with a simple and clean interface.

🔧 What needs improvement:

- 💬 **Chatbot Responses:** Need to make replies more accurate and interactive.
- **Interactive Features:** Add more engaging tools like quick actions, maps, and filters.
- 🗂️ **Resource Integration:** Include more verified and useful resources for users.

AI Tools you can use for Step 6-7:

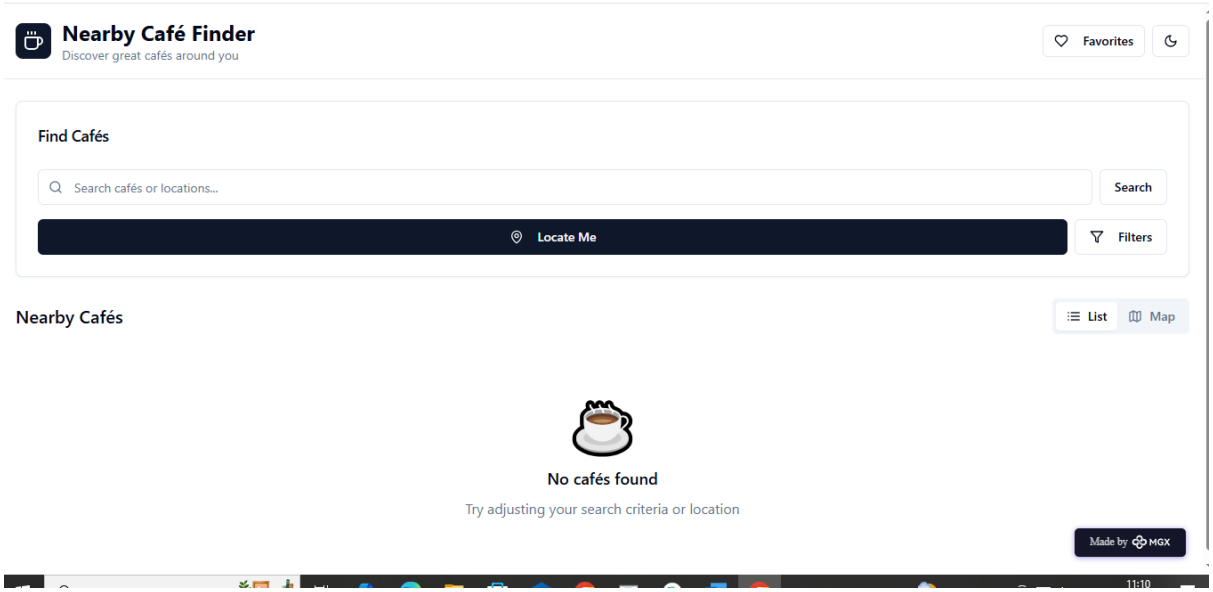
Day 4: Showcase

Step 8: Presenting my Innovation:
I am presenting café finder, a **digital career guidance and skill development platform** for rural youth. It features:

- My innovation is a **mobile-friendly, AI-powered platform** designed to make information more **accessible and personalized** for users. It focuses on **location-based suggestions**, **skill-building opportunities**, and **easy navigation** to support students — especially from **rural areas** — in discovering nearby resources like cafés, training centres, and career guidance options. By combining **smart recommendations**, **simple UI**, and **real-time access**, this solution empowers users to **connect, explore, and grow** effortlessly.

Impact: This solution helps users, especially students from rural areas, quickly find nearby cafés and resources. It improves accessibility, provides personalized guidance, and supports skill-building, making daily activities and learning easier and more efficient.

<SHOWCASE YOUR INNOVATION TO YOUR PEERS>



Step 9: Reflections

- What did I enjoy the most during this project-based learning activity?

I enjoyed **designing the app and brainstorming creative solutions** the most. Exploring how to make the **Nearby Café Finder user-friendly, interactive, and practical** was exciting. I also loved **using AI tools like Meta MGX and ChatGPT** to bring my ideas to life and see the project take shape step by step.

What was my biggest challenge during this project-based learning activity?

My biggest challenge was **integrating real-time location data and interactive map features** to make the app accurate and user-friendly. I also faced difficulties in **designing an intuitive interface** that works well for students from rural areas with limited digital experience. Overcoming these challenges required **research, testing, and using AI tools effectively**.

Take-home task

https://github.com/Zainab-Bi/caf-finder