

Project Idea: Mobile Phone Clone
(Front-End)

Created by : Mrudula Ghanekar

Technology Used

- HTML
- CSS
- JavaScript
- Web API

Functionality

This project mimics the functionality of a mobile phone, allowing users to access and use various applications. Below is a detailed description of each app included in the clone:

- **Clock App**

Displays realtime, including seconds.

- **Weather App**

Asks users for location permission and provides the current temperature of the area.

- **Camera**

Requests camera access to take photos and shoot videos.

- **Calls**

Allows users to type a number and, upon clicking dial, adds it to the recent calls section.

- **Menu**

Shows all applications in a grid view.

- **Calendar**

Displays a calendar with Indian holidays.

- **Calculator**

Enables users to perform basic calculations.

- **Internet**

Allows users to perform web searches.

- **Office**

Includes the following apps:

1. Excel: Users can view and edit data from a Google Sheet.
2. PDF Maker: Users can write a document and save it as a PDF.
3. Notes: Users can create and delete small notes.
4. Paint: Users can draw using a brush, change brush color and size, and drag within the given section.

- **Messages**

Users can send any message, and the system will reply with "received: [msg]".

- **Audio Recorder**

Upon granting access, users can record sound, which gets saved.

- **Music**

Users can listen to music, as well as forward and rewind tracks.

- **YouTube**

Users can search for content on YouTube, with results displayed in a grid format.

- **Maps**

Captures the user's current location and allows searching for any location, providing directions.

- **BMI QR**

Users enter their height and weight, a QR code is generated, and scanning the QR code displays the BMI.

- **Games**

Includes the following games:

1. TicTacToe: Player X and Player O play, and the winner is declared.
2. Guess the Number: Users should guess the number in 3 tries, with the app revealing the number afterward.

- **Images**

Stores photos and videos, allowing users to forward and rewind videos.

- **Lock**

Locks the phone upon clicking.

Web APIs Used

1. Internet: DuckDuckGo Instant Answer API
2. Maps: OpenCage Geocoding API
3. Weather: WeatherAPI
4. YouTube: YouTube Data API
5. Excel: SheetDB
6. Google Sheet:
[GoogleSheetLink]
(https://docs.google.com/spreadsheets/d/1XJaOSZ8CT3R_6hvc9Rezzi2pvH_LWms6fO9O8zmfKKg/edit?pli=1&gid=0gid=0)
7. PDF: pdflib

Project Timeline

- Idea Generation: Day 1- Day 2
- First Draft: Day 3 - Day 5
- Apps Integrations: Day 5 - Day 8
- Fully Functional Code: Day 8 - Day 10
- Final Changes and Documentation: Day 10 - Day 12

Project Deployment

<https://mobilephone-clone.vercel.app/index.html>

GITHUB LINK

<https://github.com/Mrudula-ghanekar/MobilePhone>

Linkedin Link

<https://www.linkedin.com/in/mrudula-ghanekar-bb00231bb/>

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