Digital Egypt Pioneers

Ministry of Communications and Information Technology

Weather Application

Group Code

ONL1_SWD4_G1d

Supervisor / Amr Fathy Mohamad

OUR TEAM

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- **Hazem Abdelhamed Abdelhamed Shohoud**
- **Mahmoud Ahmed Elsaid Elroby**
- **Ahmed Mohamed Elshahat Elkazaz**
- **Mahmoud Mohamed Ahmed Mohamed**
- **Amin Mamdouh Mohamed Amin**

Agenda

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1. PROBLEM
2. SOLUTION
3. TECHNOLOGY
3. SCREENS
5. ROLES OF OUR TEAM
6. Future plan for application development

Weather Forecasting App

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PROBLEM:

The app should provide real-time, location-based weather forecasts, including severe weather alerts. It should be user-friendly, efficient, and support background updates and multi-city forecasts.

Weather Forecasting App

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SOLUTION:

The app was built using Flutter, integrated with a weather API, and used geolocation services. Background services, multi-city search, and local storage were also implemented. The app was optimized for performance.

Technology

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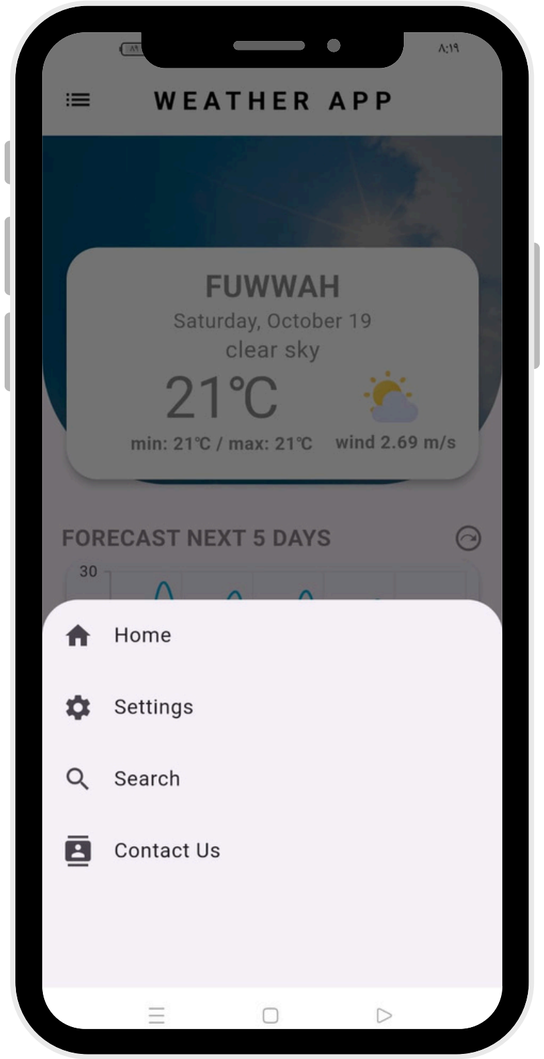
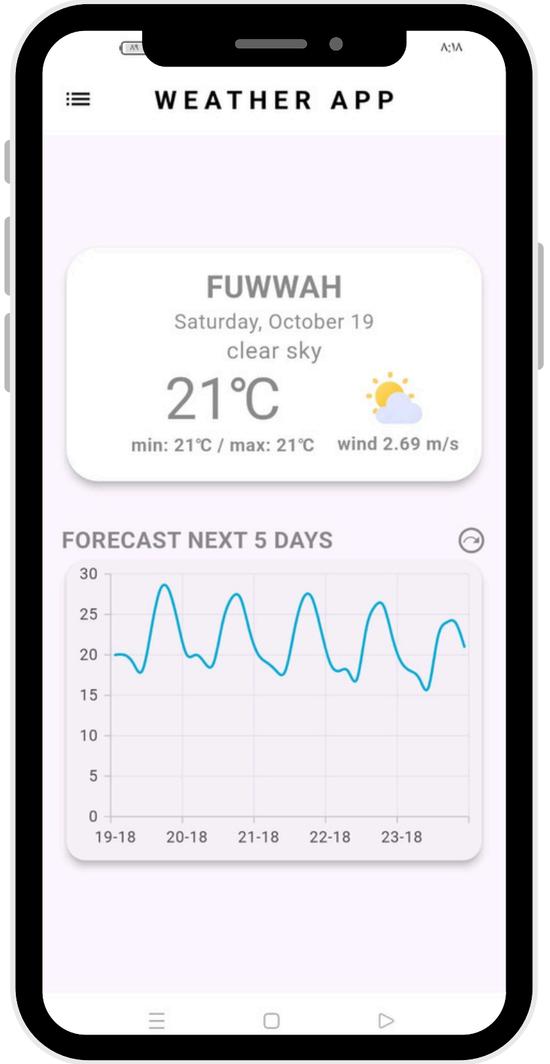
Dart

Flutter





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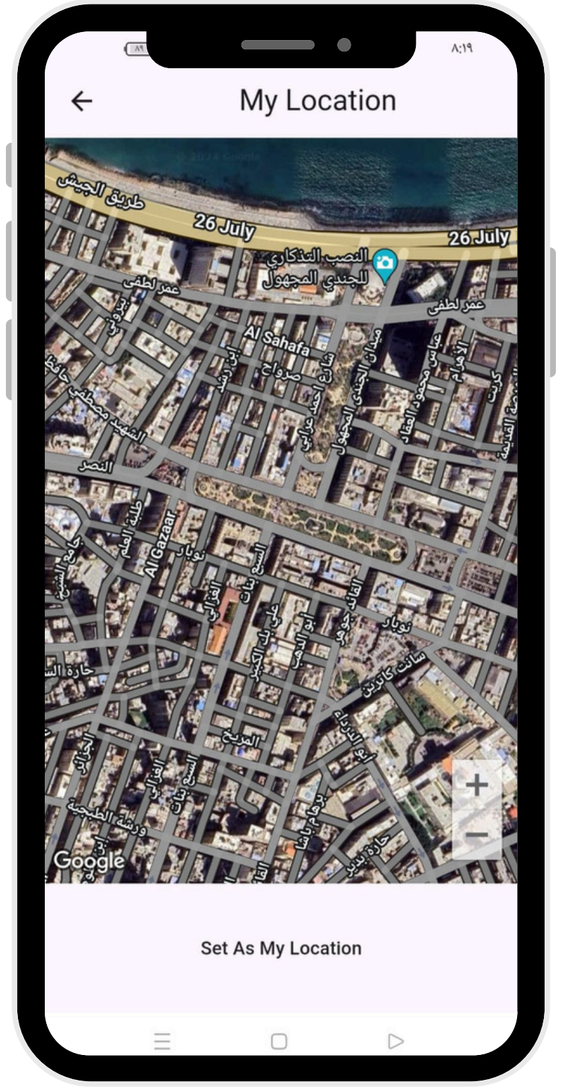

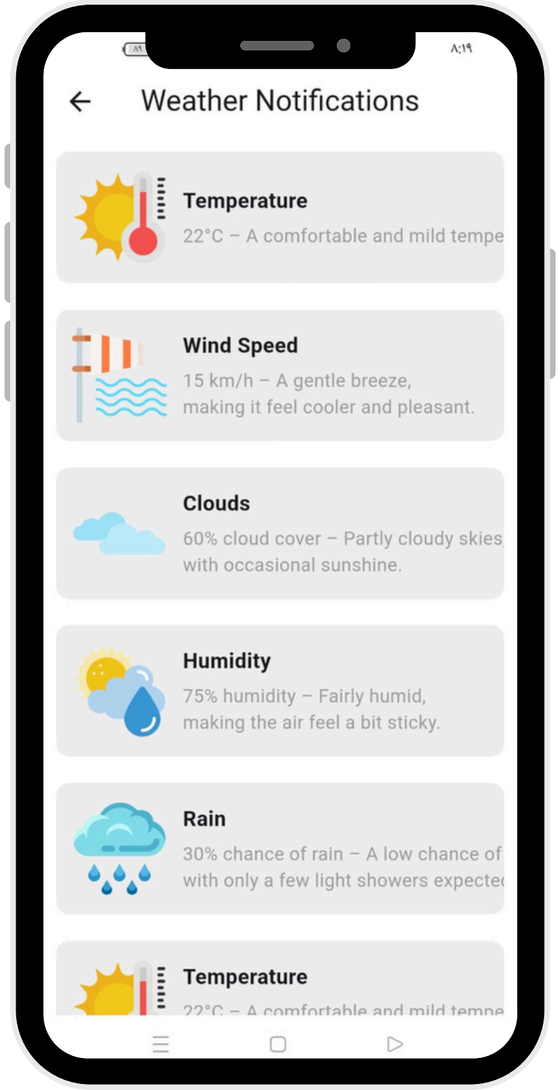

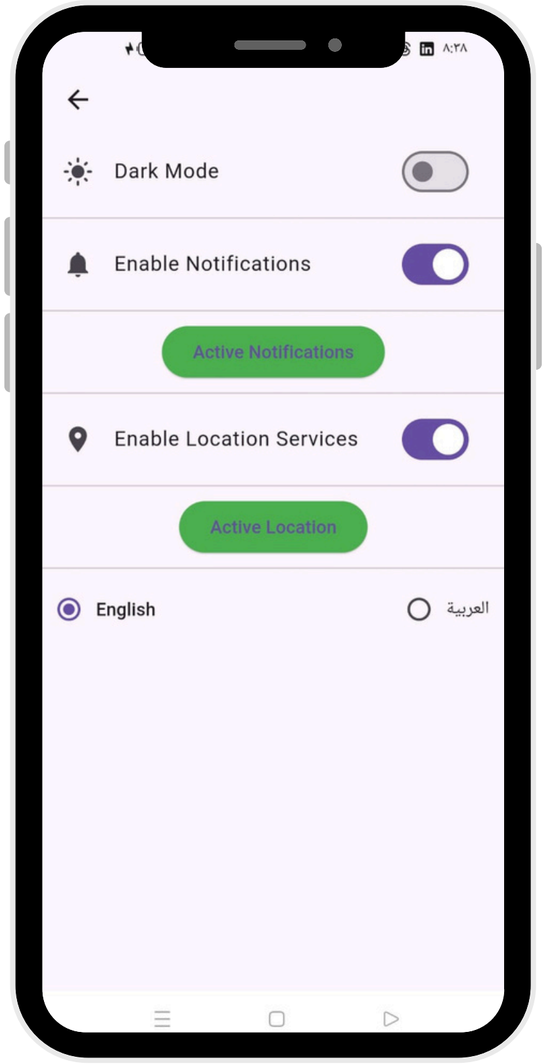

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ROLES OF OUR TEAM

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Hazem Abdelhamed Abdelhamed Shohoud	**Developed and structured a Flutter project for seamless integration, including creating search screens using getx State mangament.**
Mahmoud Ahmed Elsaid Elroby	**Designed and developed the Home Page for the project, created AppBar list, and creating a clear engaging presentation.**
Ahmed Mohamed Elshahat Elkazaz	**Created the splash screen, onboarding screens, notification screen, and presentation.**
Mahmoud Mohamed Ahmed Mohamed	**Prepared the GPS functionality to identify the location for search and created the documentation**
Amin Mamdouh Mohamed Amin	**Created setings screen, created the state management cubit, researched related packages for the project, and developed the documentation.**

FUTURE PLAN FOR APPLICATION DEVELOPMENT

- Purchase the API from the company's official website
- Optimize Cubit for improved state management.
- Develop the API for notifications.
- Upload the application to the Google Play Store
- Active Contact us screen.

REFERENCES

- API / https://api.openweathermap.org/
- github / https://github.com/hazemshohoud/group1_weather_application
- youtube / https://www.youtube.com/watch?v=ILWZEhuhQb8&list=PLI36SLicSOmLaQ6C-4M-IfwIPSijUJgYa

Thank you