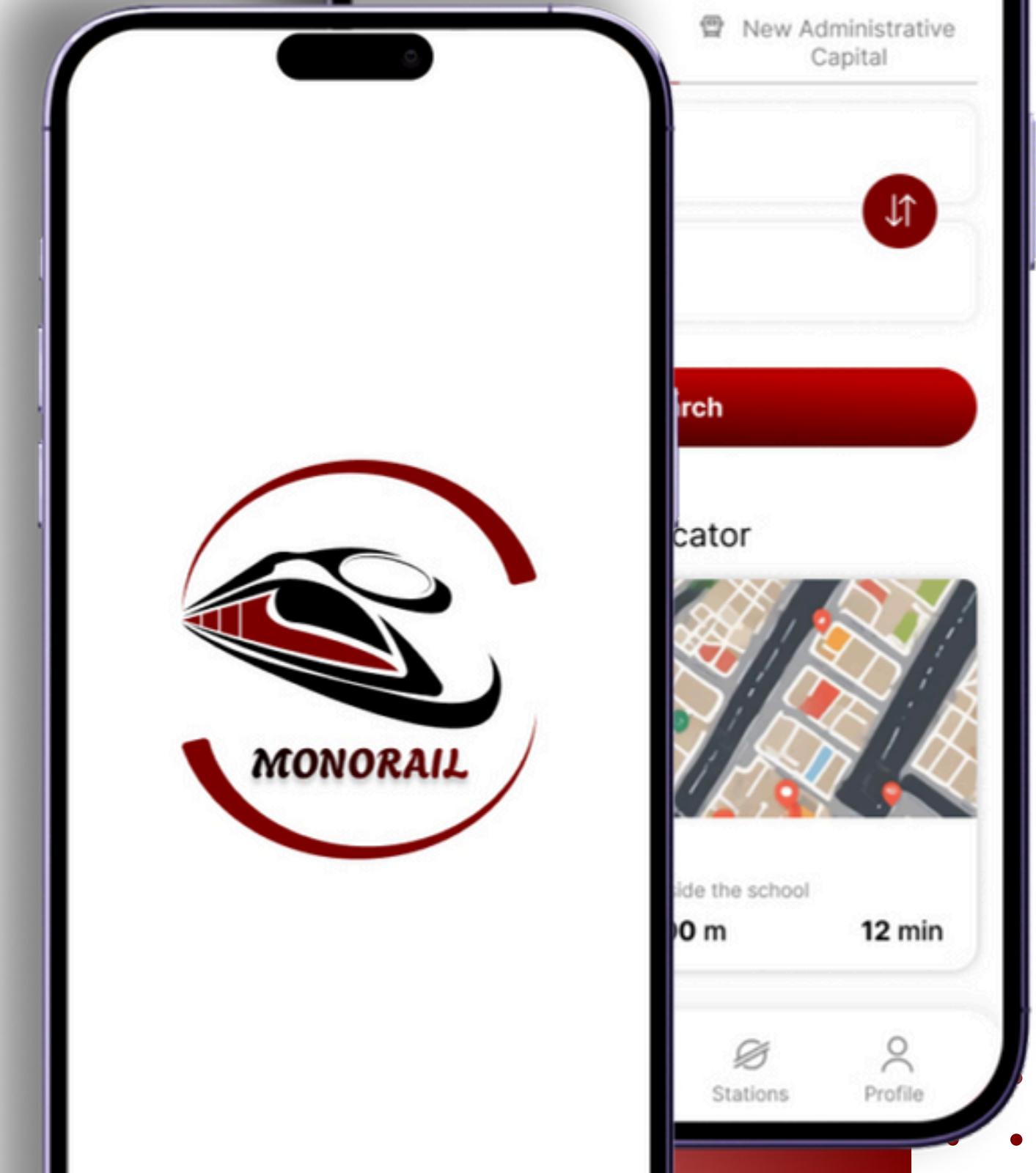




UI/UX Case study

Egypt Monorail App



Our Team



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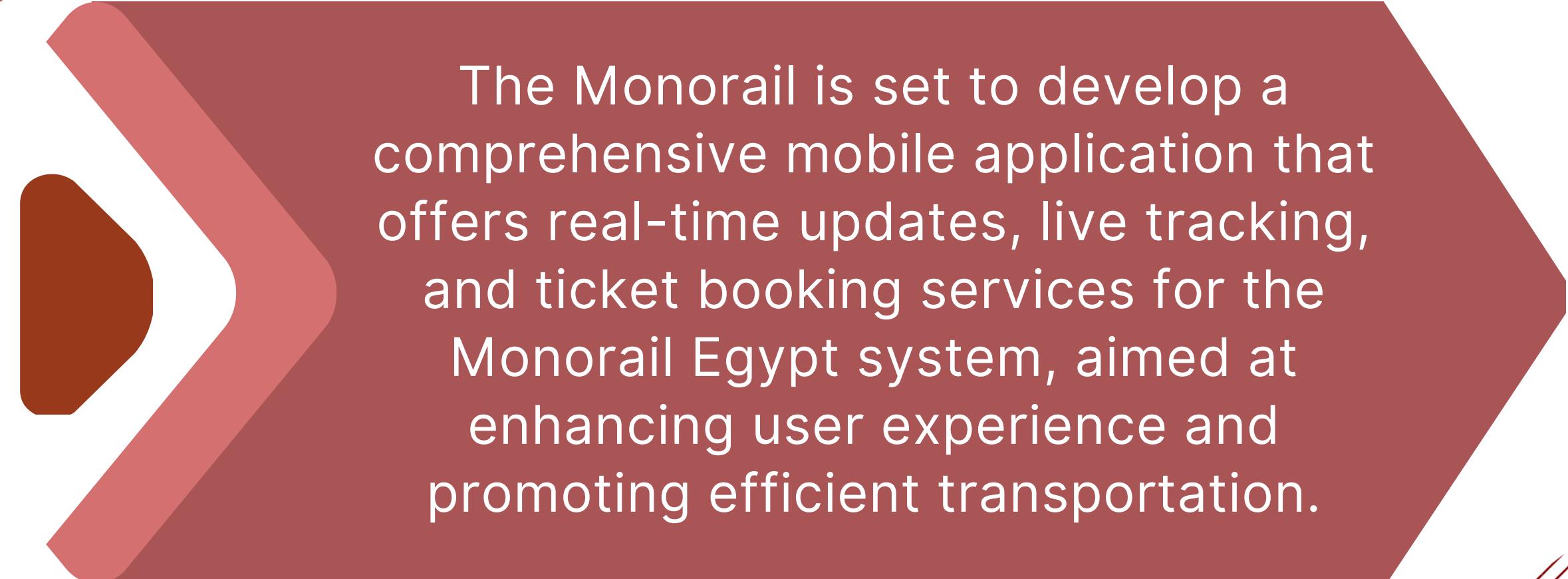
Omneya Hassan

Content

- 01 Project Overview**
- 02 Problems**
- 03 Solutions**
- 04 Target Audience**
- 05 Time Line**
- 06 Competition**
- 07 Statistics**
- 08 Future goals**
- 09 Contribution to Digital Egypt Vision**
- 10 UI Styling**
- 11 Prototype**



Project Overview



The Monorail is set to develop a comprehensive mobile application that offers real-time updates, live tracking, and ticket booking services for the Monorail Egypt system, aimed at enhancing user experience and promoting efficient transportation.

Problems

With the introduction of the Egyptian Monorail, a key challenge was ensuring that users can seamlessly navigate the new transportation system. Common pain points for users included:

01



Unfamiliarity with the Monorail routes: As the Monorail is a new addition, many commuters were unsure of station locations and connections.

02



Lack of real-time information: Users needed up-to-date information on train schedules, delays, and disruptions.

03



Ticket purchasing complexity: Commuters often faced long queues at stations, with no clear digital alternative for purchasing tickets.

04



Accessibility: Ensuring the app is usable for a wide audience.

Solutions

Interactive Route Navigation

Implement a map feature to help users easily find stations and plan their routes.

Real-Time Information

Provide live updates on train schedules, delays, and disruptions, with notifications for changes.

Digital Ticket Purchasing

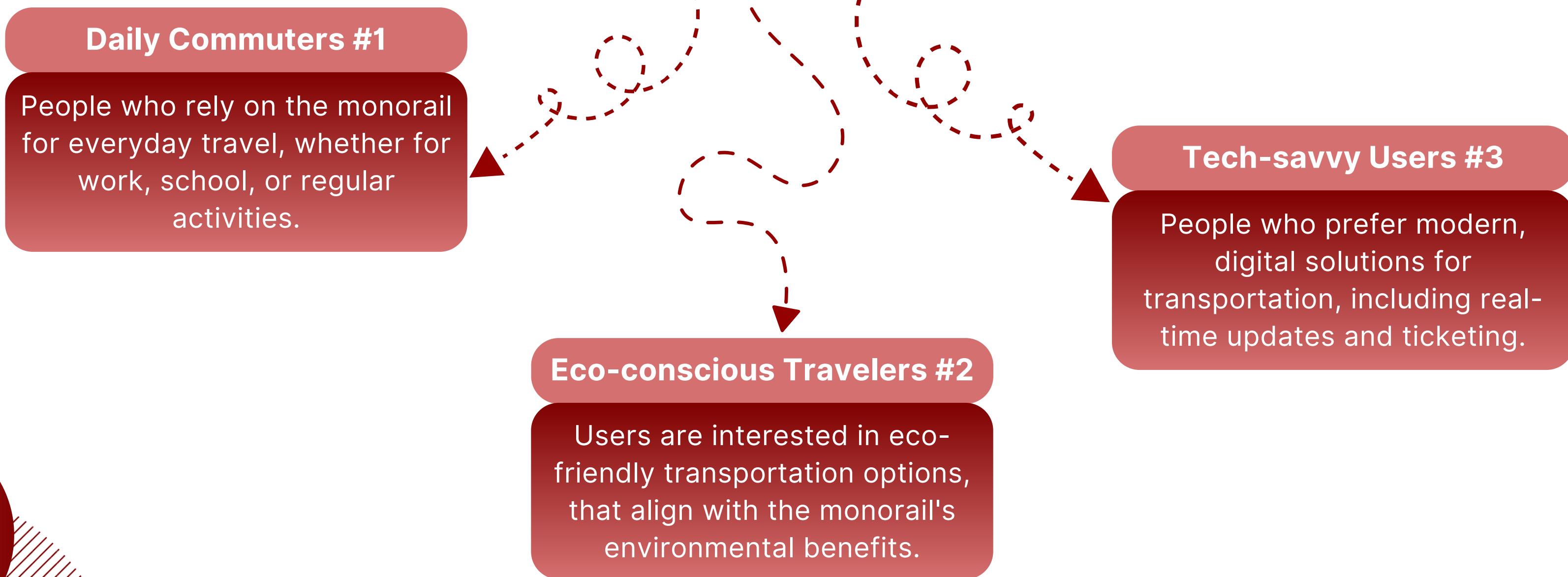
Enable users to buy tickets through the app, generating QR codes for quick station entry and reducing wait times.

Accessibility

Design the app with features like large text, high-contrast visuals



Target Audience

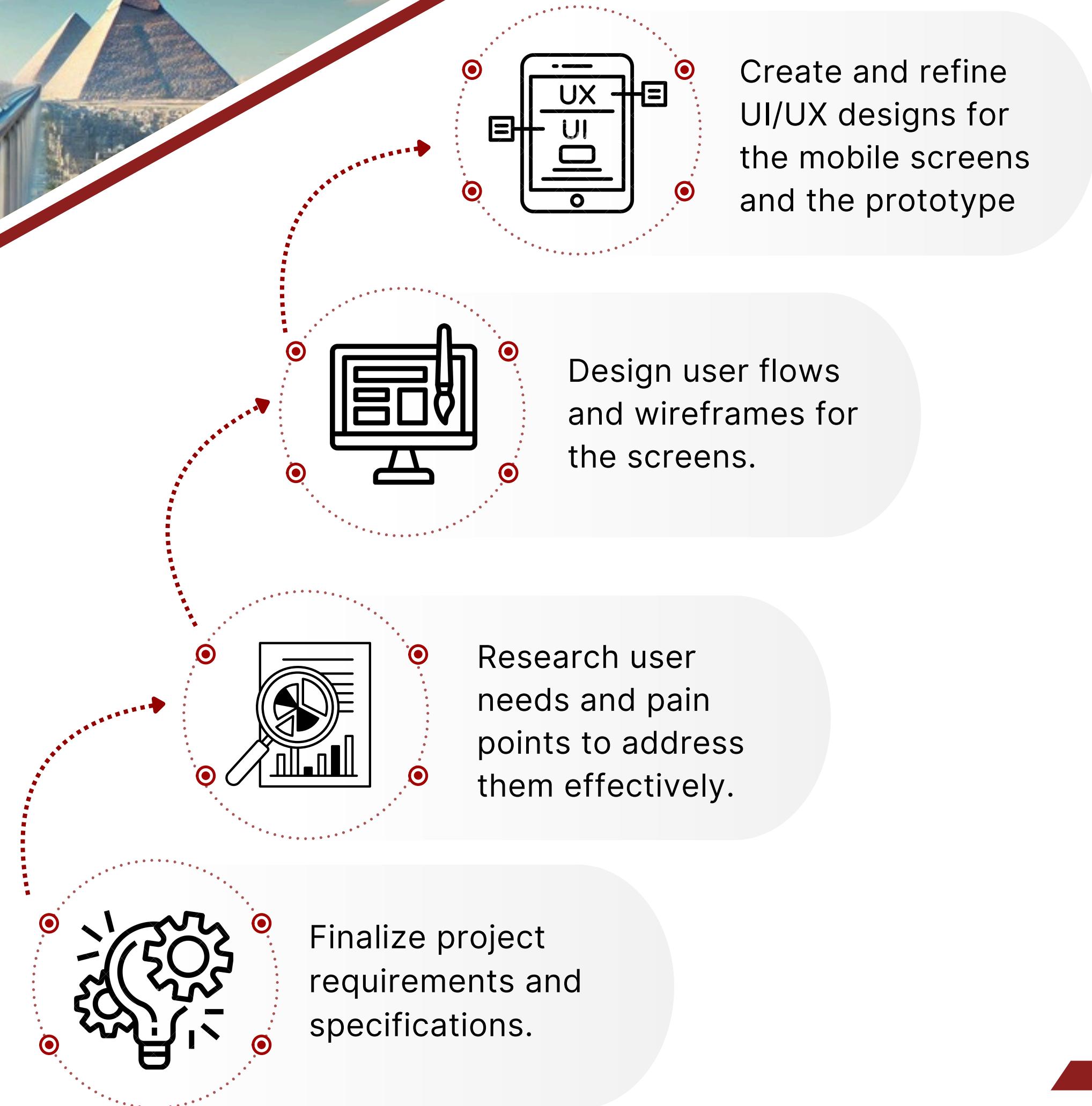


A panoramic view of a futuristic city at sunset. A sleek, blue monorail train moves along a track that cuts through the urban landscape. In the distance, the Great Pyramids of Giza stand prominently against the horizon under a warm, orange sky.

TIME LINE

Timeline

4 Weeks



COMPETITION



Cairo Metro

A reliable app covering the Cairo Metro system. While it includes real-time navigation and basic ticketing integration, its functionality is limited to rail transport with a simple and user-friendly interface.



Egypt Trains

Focused on the national rail network, this app has basic features such as navigation and alerts. However, its coverage is more limited, and it lacks ticketing integration, which diminishes its usability for frequent travelers.



Egypt National Railways

The primary app for national railways, offering real-time alerts and a large coverage area. It's functional but lacks modern design features and integration with other services. It caters mostly to long-distance travel.

Statistics

We conducted a survey with 56 person and from the answers here are what we discovered:

85%

Would be interested to have real time tracking of the monorail

80%

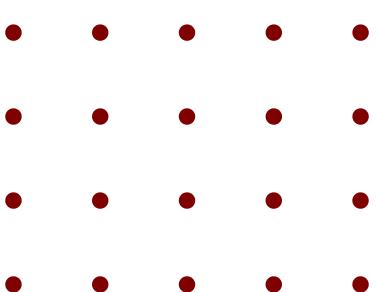
Would be interested to have ticket purchasing through the app

90%

Would be interested in using the monorail

75%

Have concerns and the cost of the monorail tickets



Future goals

- 01** Incorporate additional transportation choices such as the metro and Egypt train into the application.
- 02** Implement AR Navigation and Augmented Reality to navigate stations, find exits, and see live train info and voice commands for people with disabilities.
- 03** Add an offline mode to Download maps and station info for offline access in multiple languages.
- 04** One-Tap Ticketing Quick tickets with offline storage, supporting multiple payment options like Fawry .



Contribution to Digital Egypt Vision

This app supports Egypt's Digital Transformation Vision by:

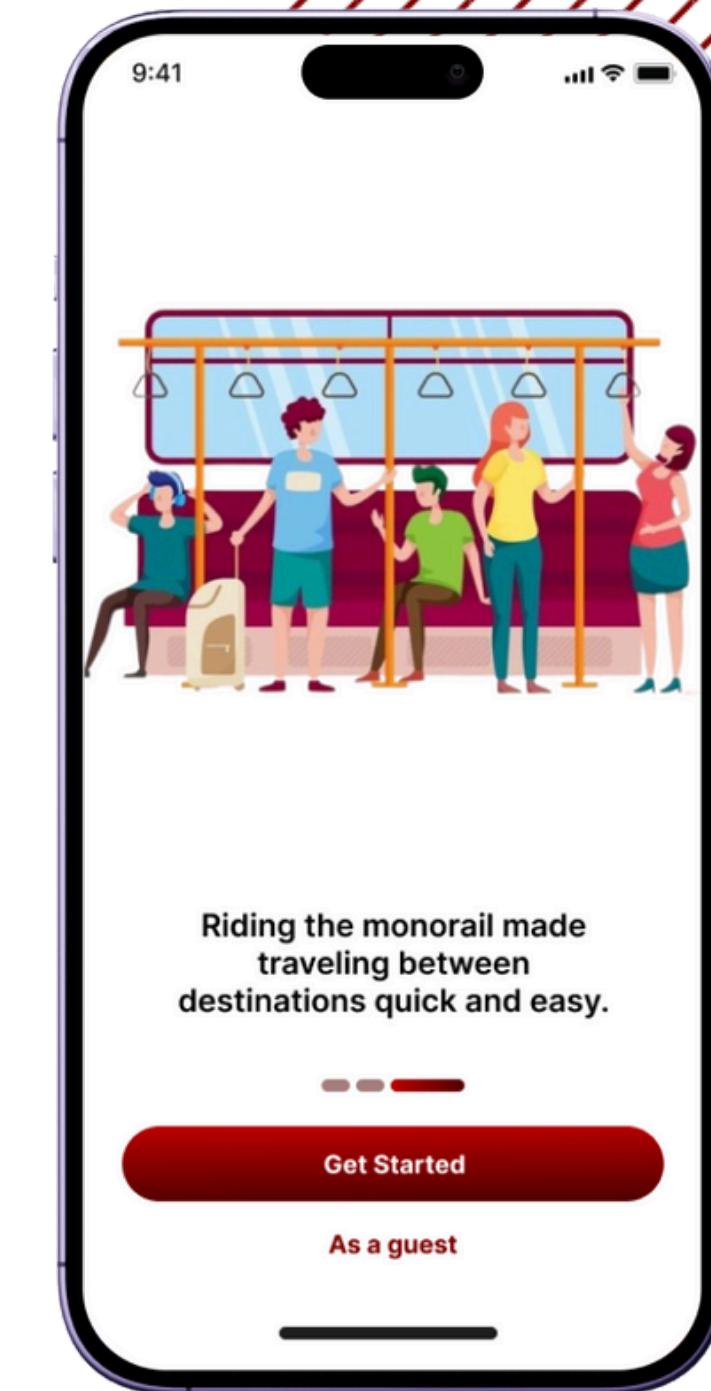
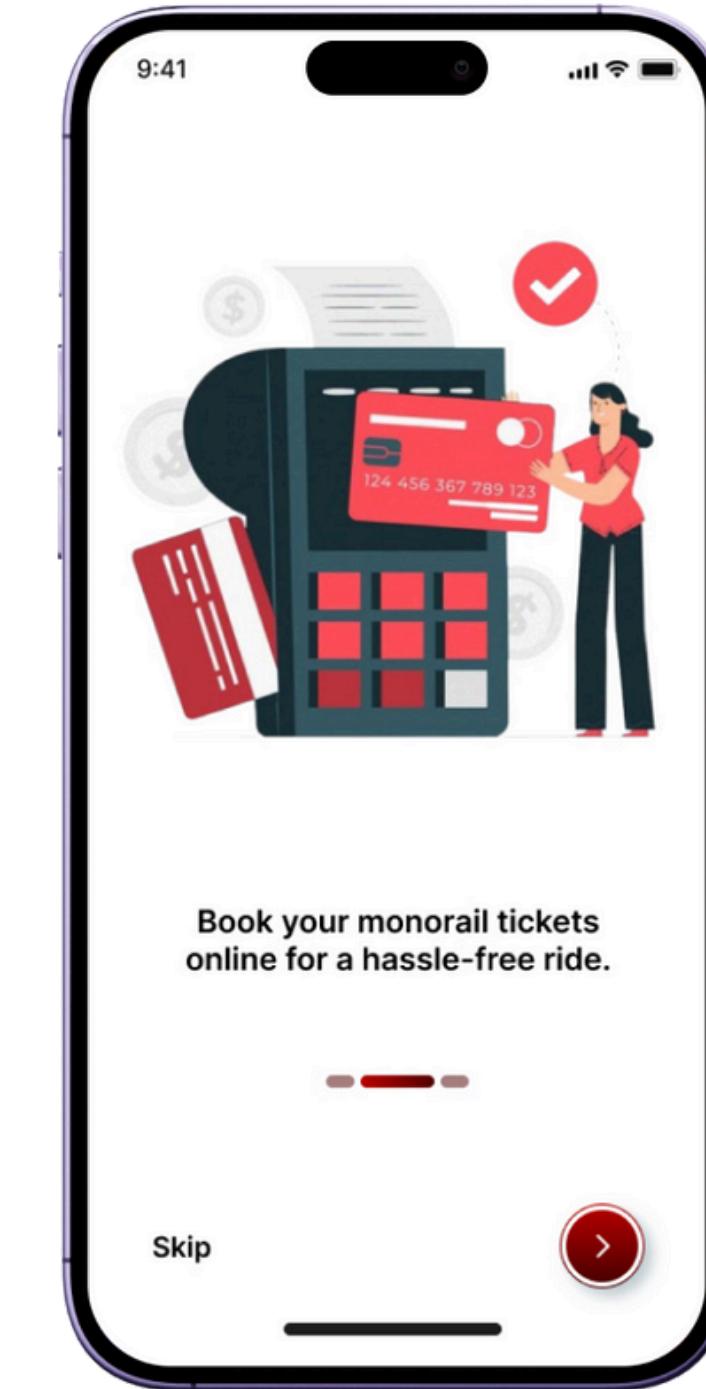
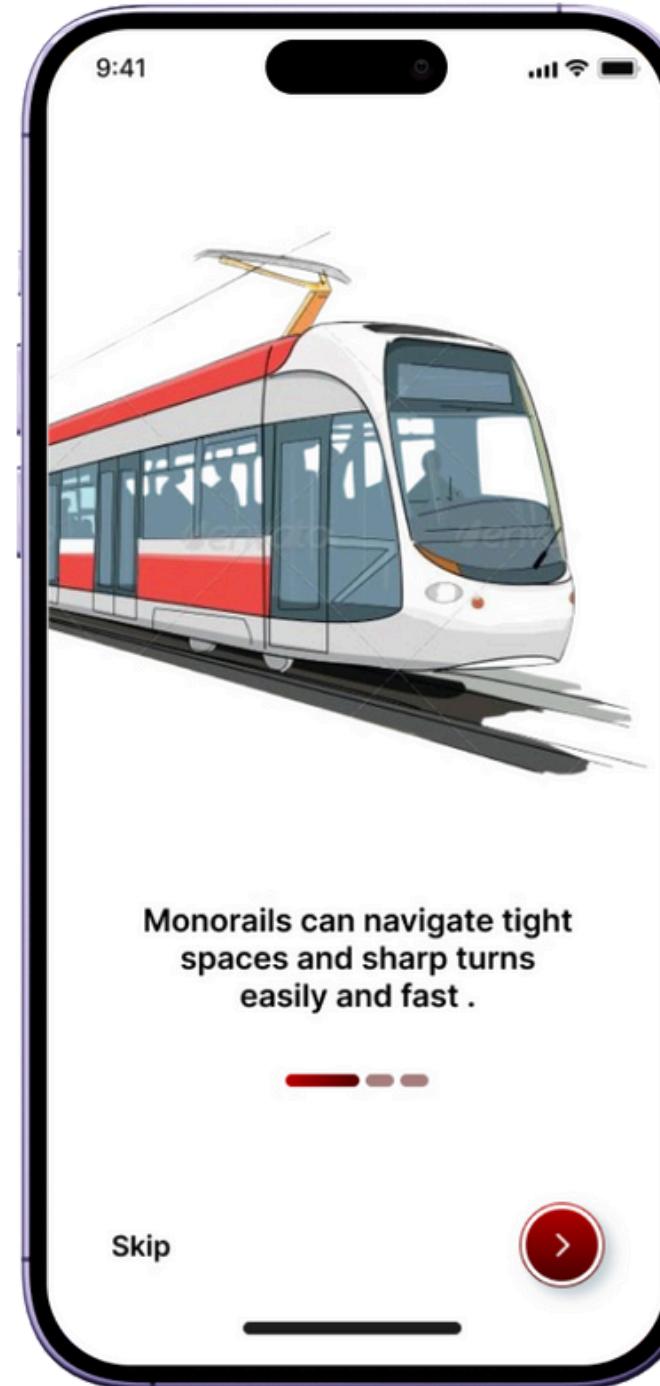
- **Smart Mobility:** Offering real-time updates, journey planning, and digital ticketing for efficient transportation.
- **Improving Public Services:** Modernizing transit systems for greater convenience and accessibility.
- **Promoting Sustainability:** Encouraging eco-friendly travel aligned with Egypt's environmental goals.

Through the DEPI Initiative, this project highlights:

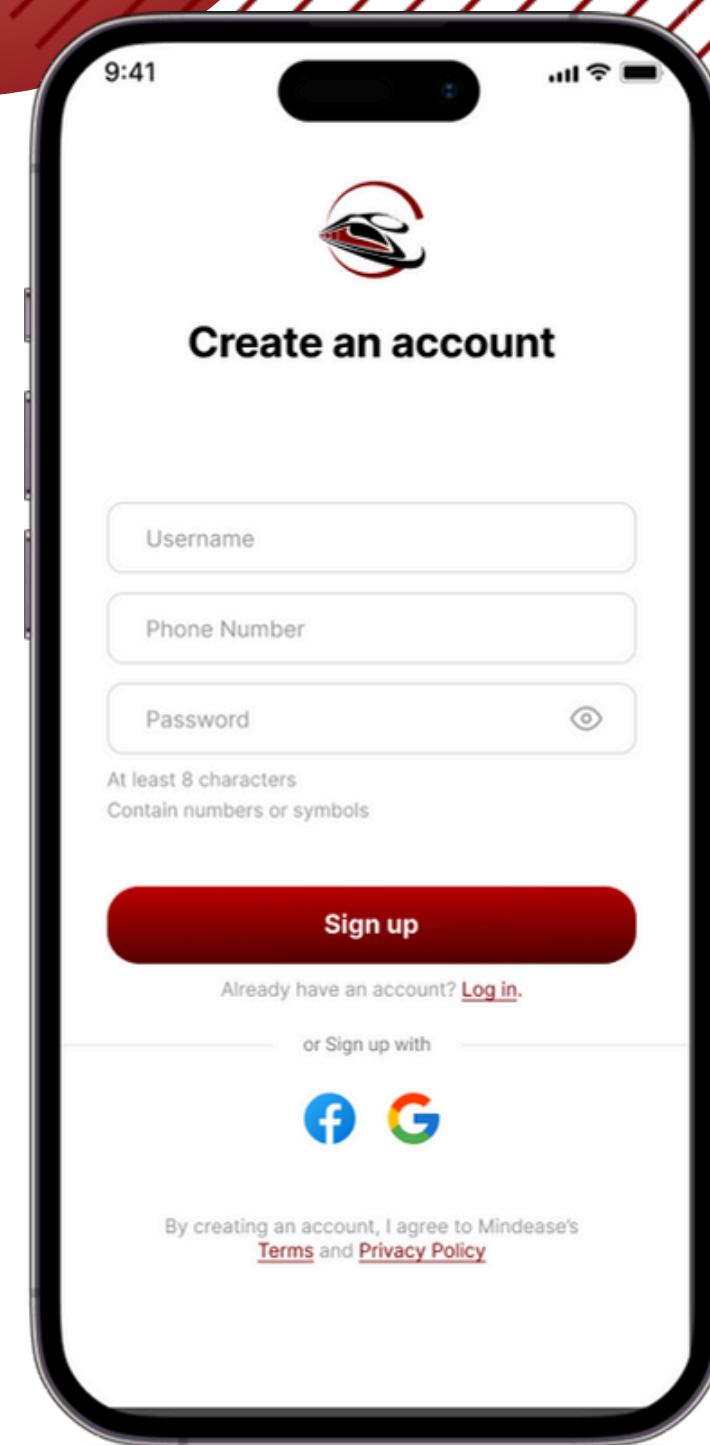
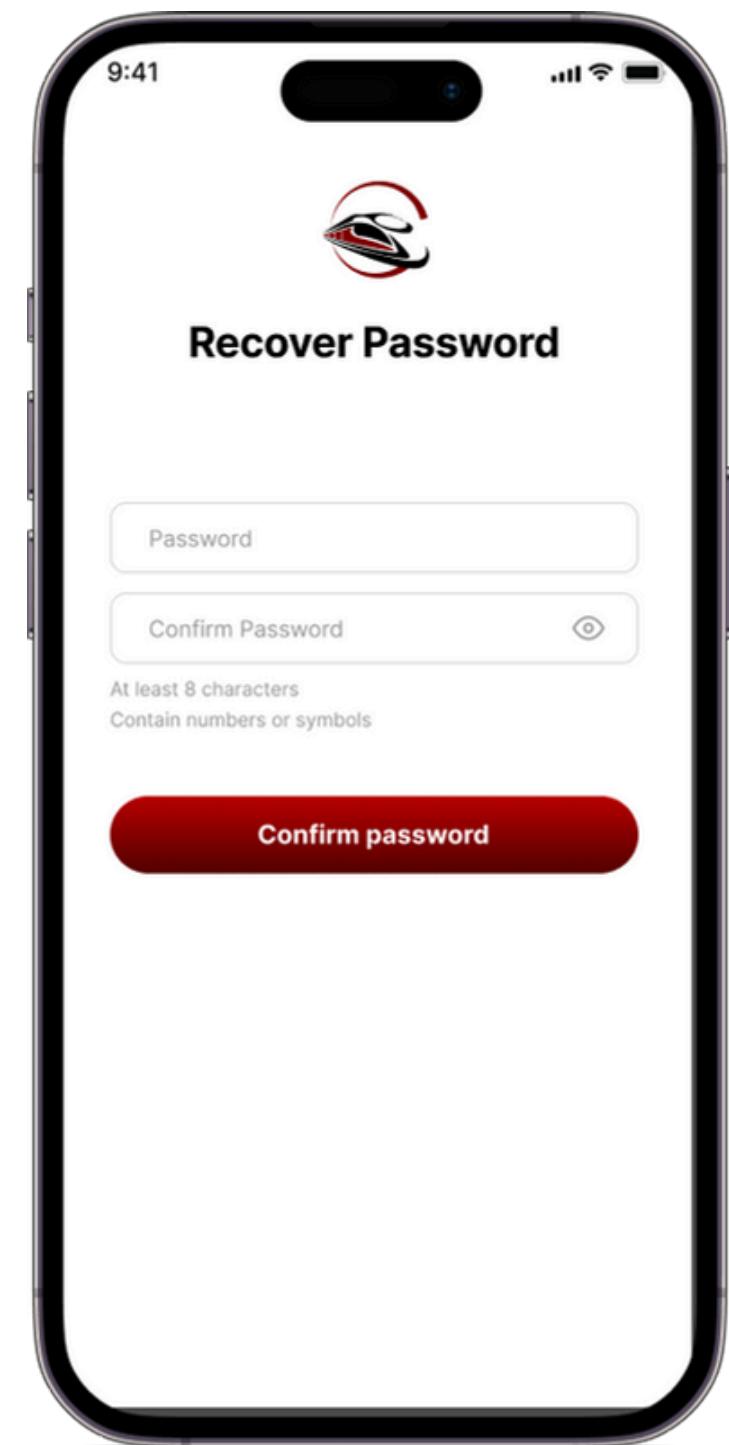
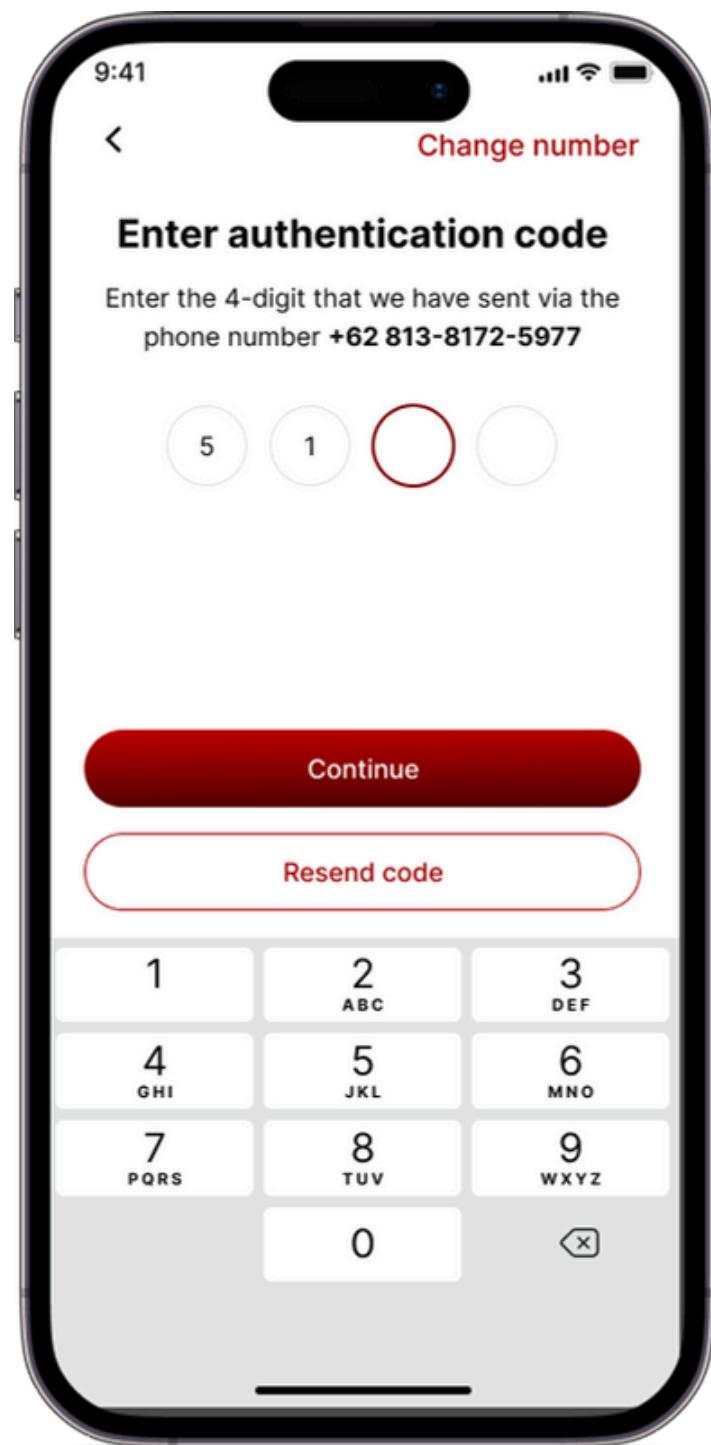
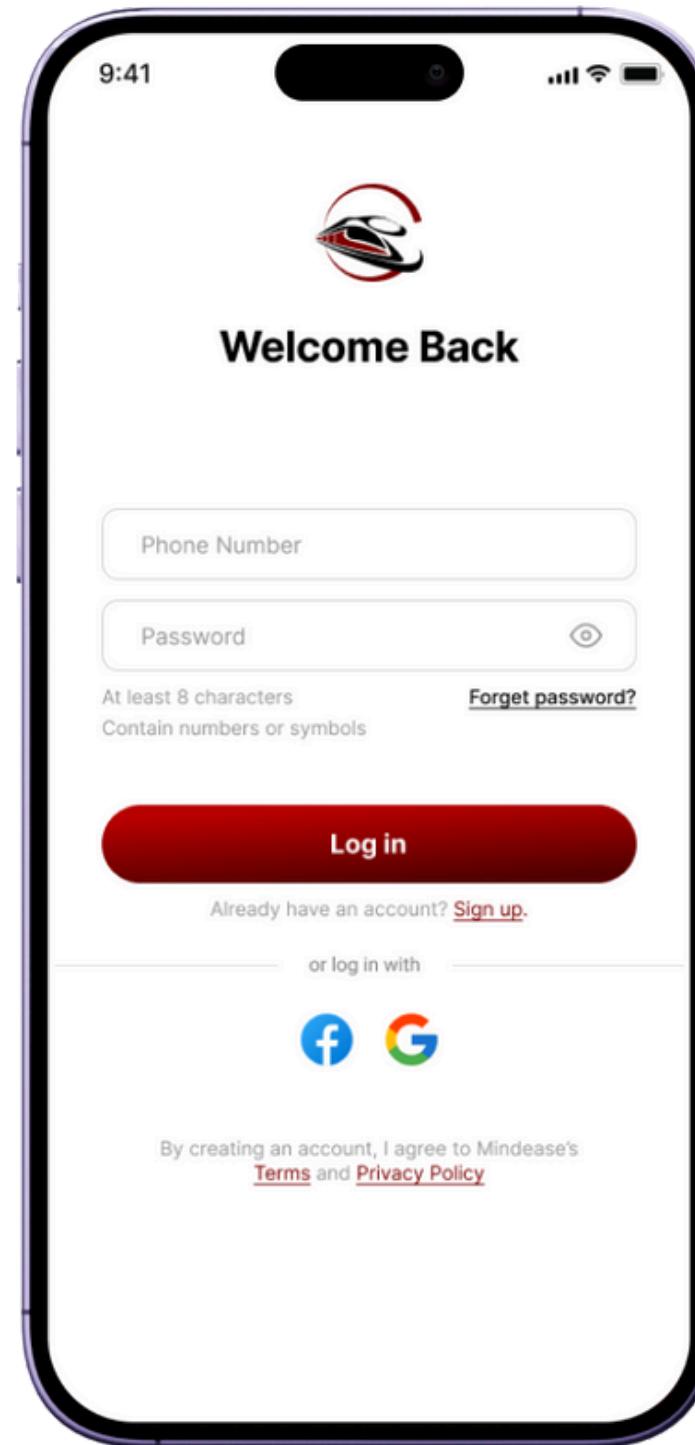
- **Innovation:** Fostering digital solutions to enhance public services.
- **Skills Development:** Empowering youth to contribute to Egypt's growing digital economy.

UI STYLING

Splash and landing screens

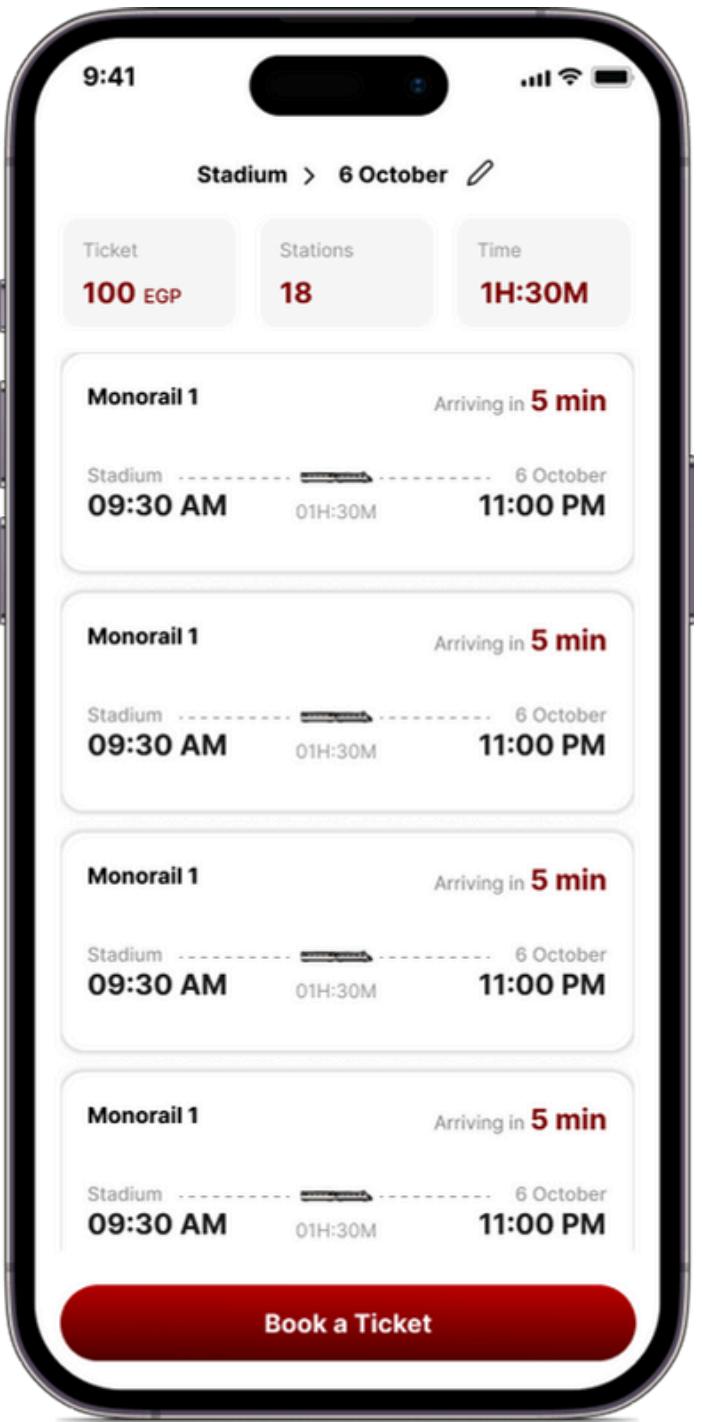
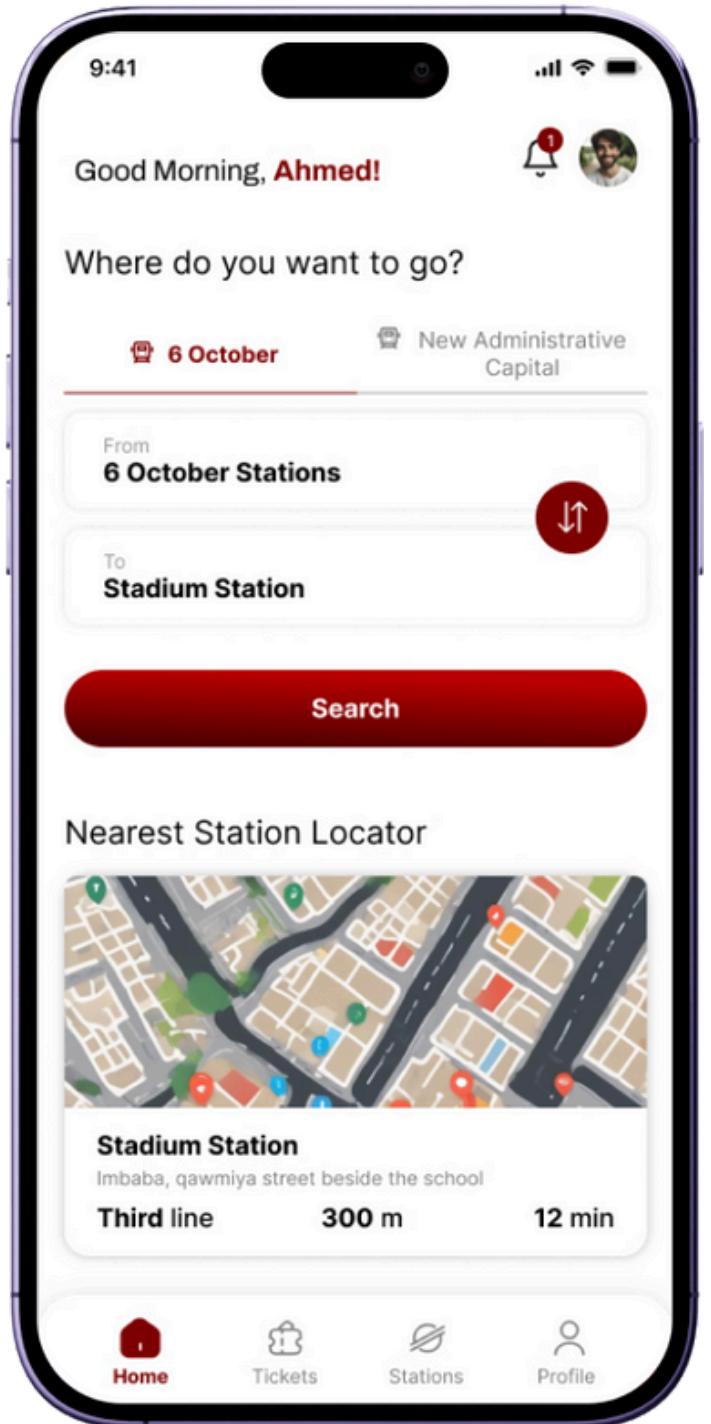


ACCOUNT SCREENS



In the home screen, users can:

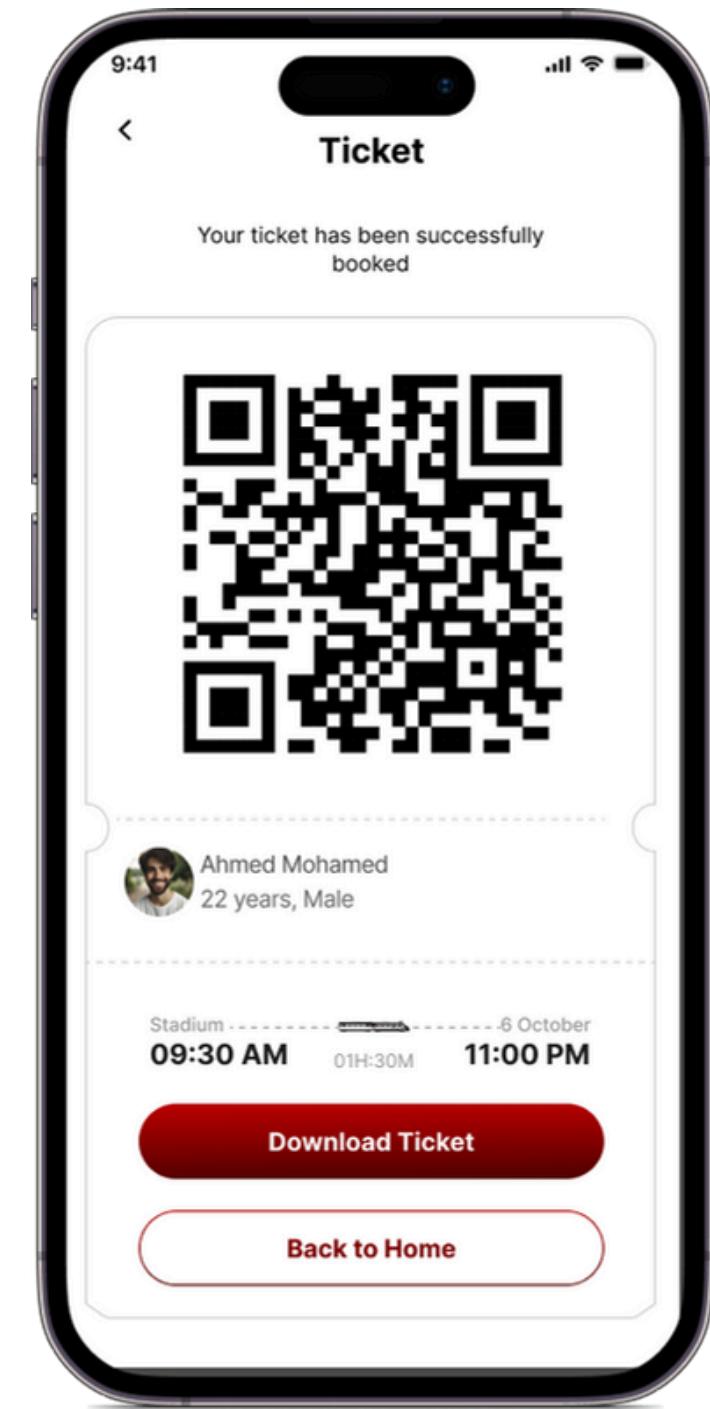
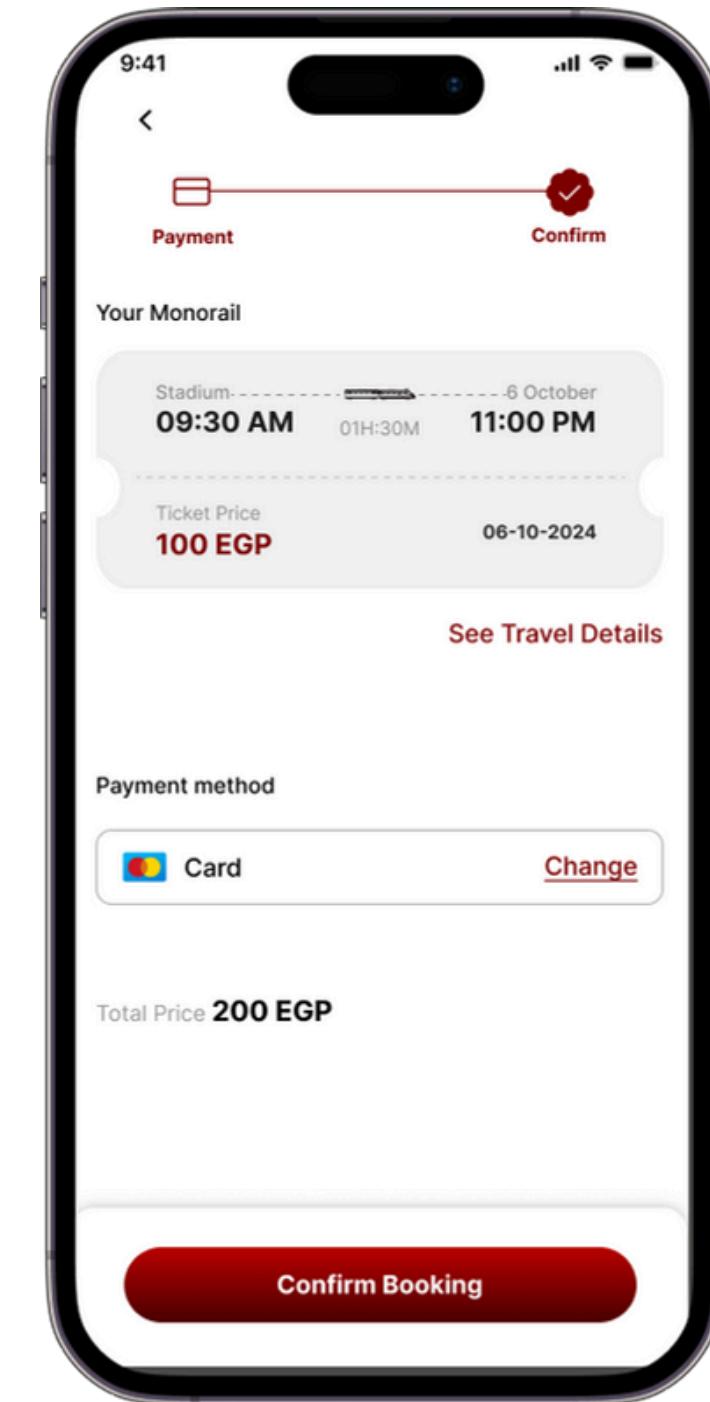
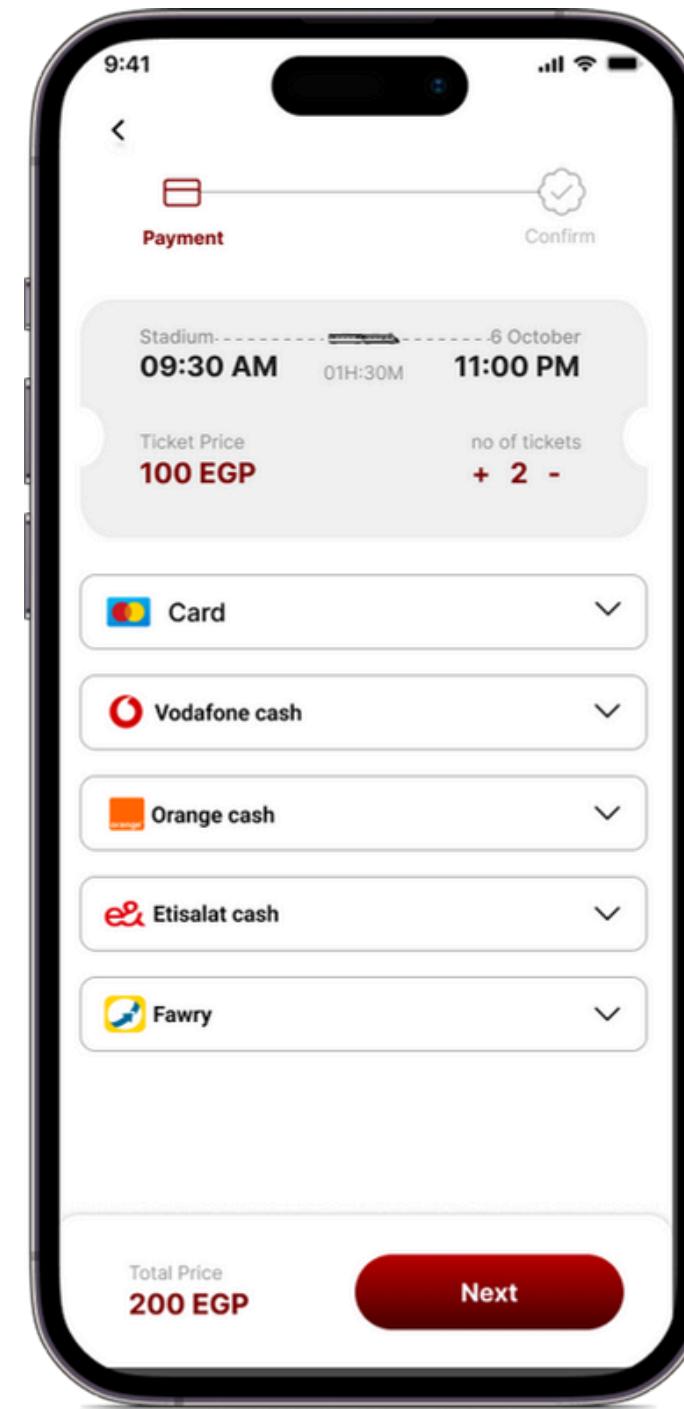
- Choose between two monorail lines to start their trip.
- Select a starting station and a destination station for their journey.
- The app also suggests the nearest station based on the user's current location for convenience.



After selecting the departure and arrival stations, the user is directed to the monorail screen, which includes:

- Inform the user about the ticket price and the number of stations.
- Tracking the monorail
- Provide the user with the estimated arrival and departure times, as well as the duration of the trip.
- Allow the user to book a ticket through the app.

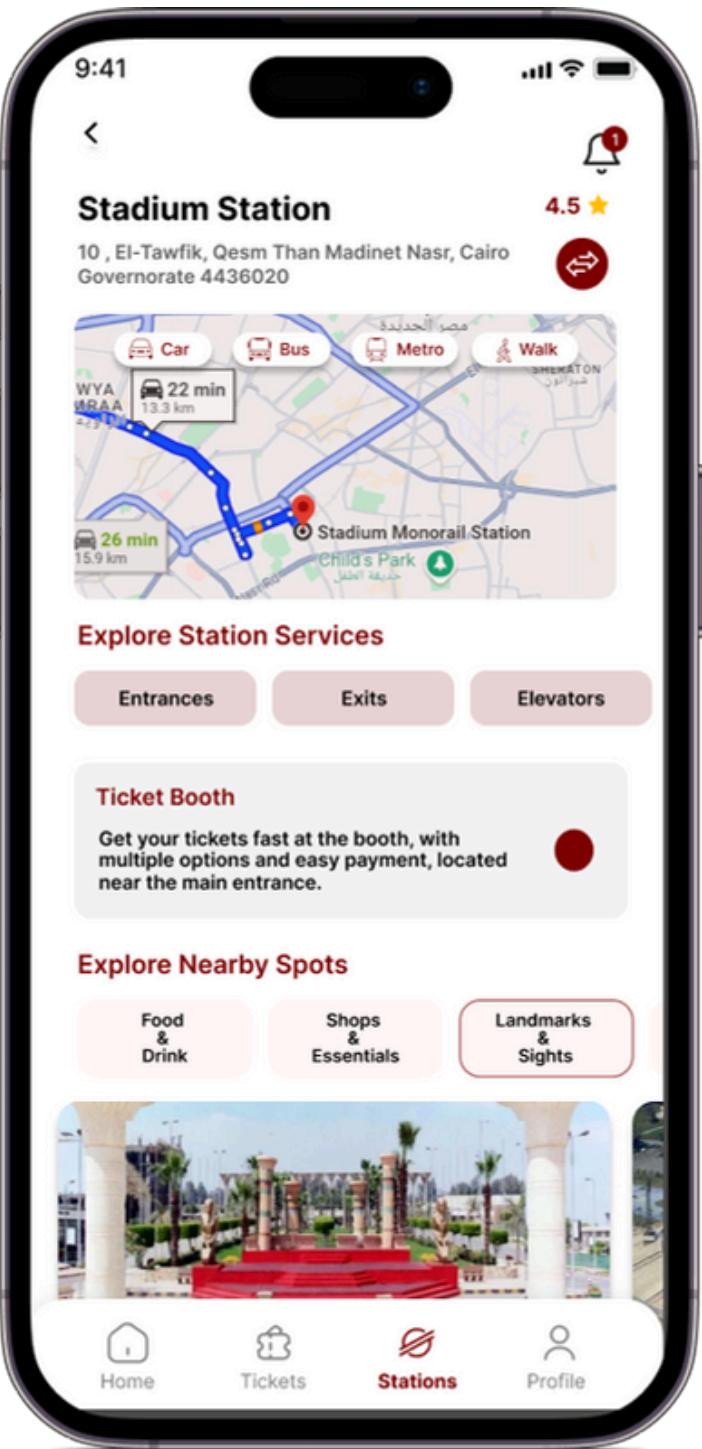
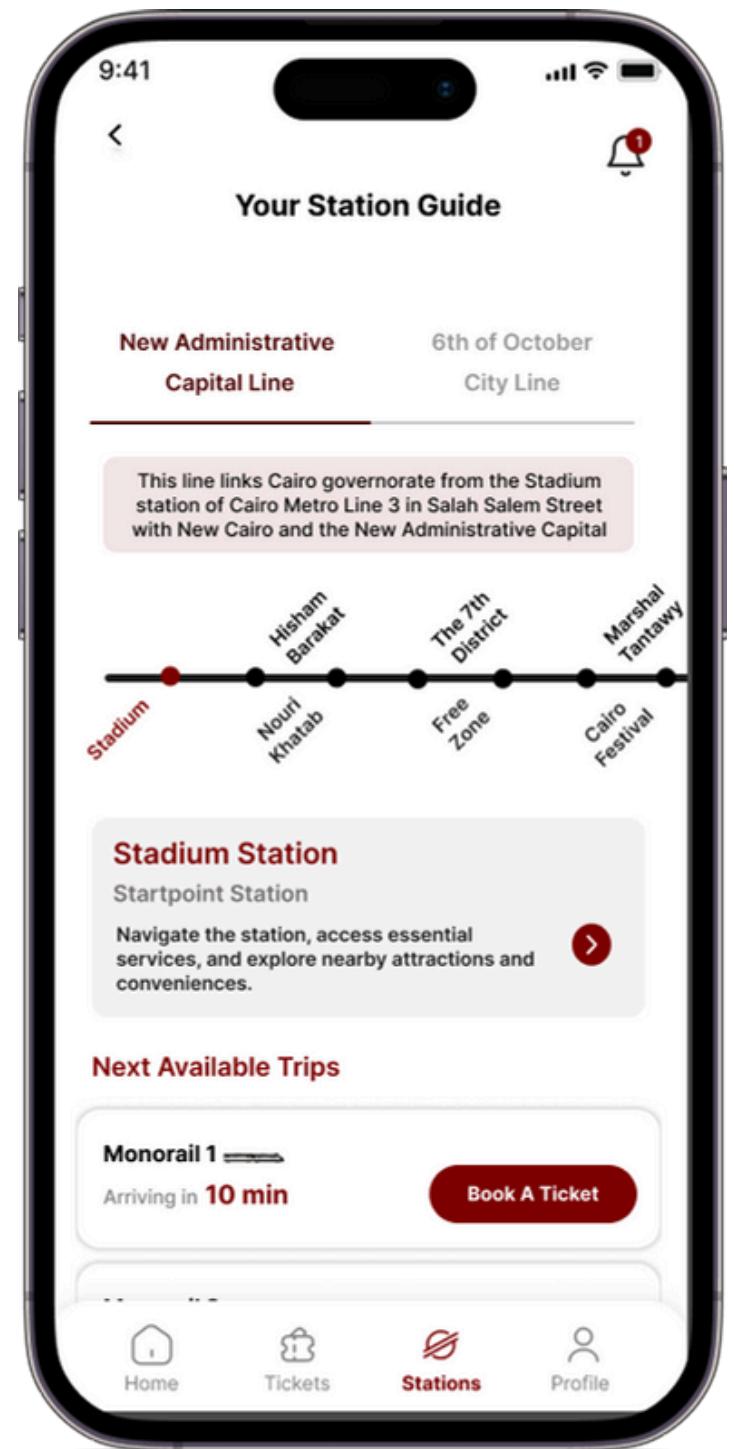
On the payment screen, users can choose from multiple payment options.



After payment, the user will receive their QR ticket.

On the station guide screen user can:

- search for information about any station on the two monorail lines.
- Additionally, there is tracking available for the monorail at every station.

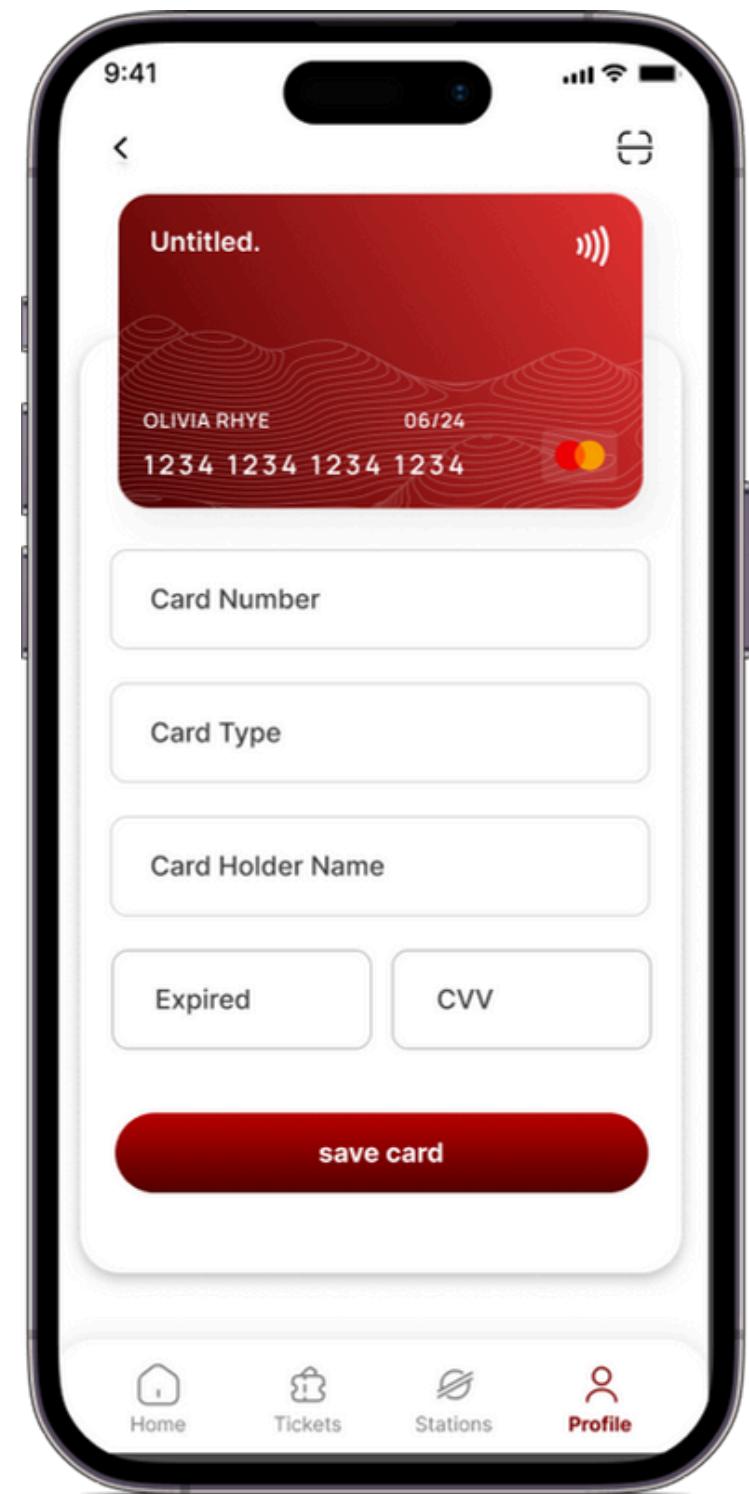
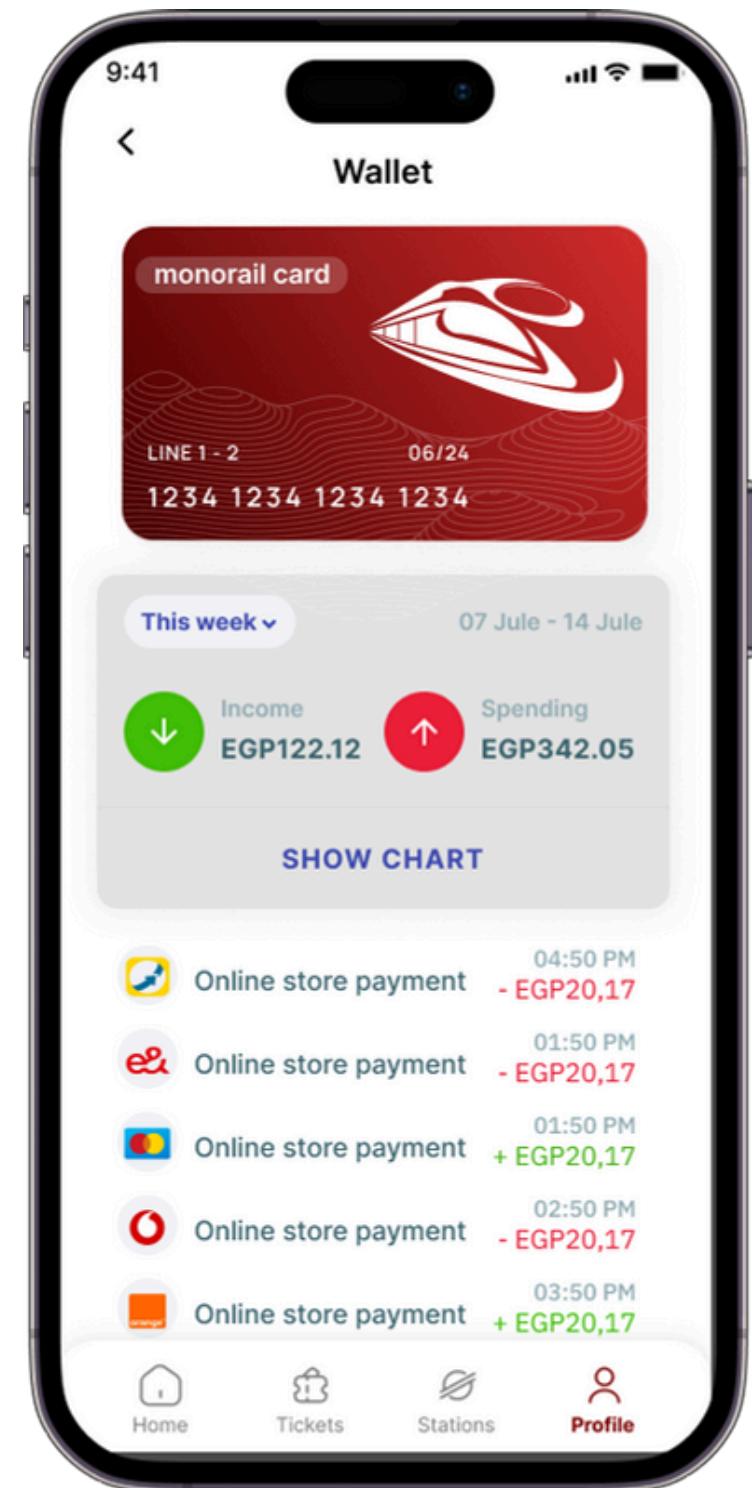


On every station screen user can:

- See the station on a Google Maps screen with directions.
- Explore the station services such as entrances, exits, and elevators.
- Purchase a ticket through the app for this station.
- Discover the nearest spots to the station.

On the Wallet screen:

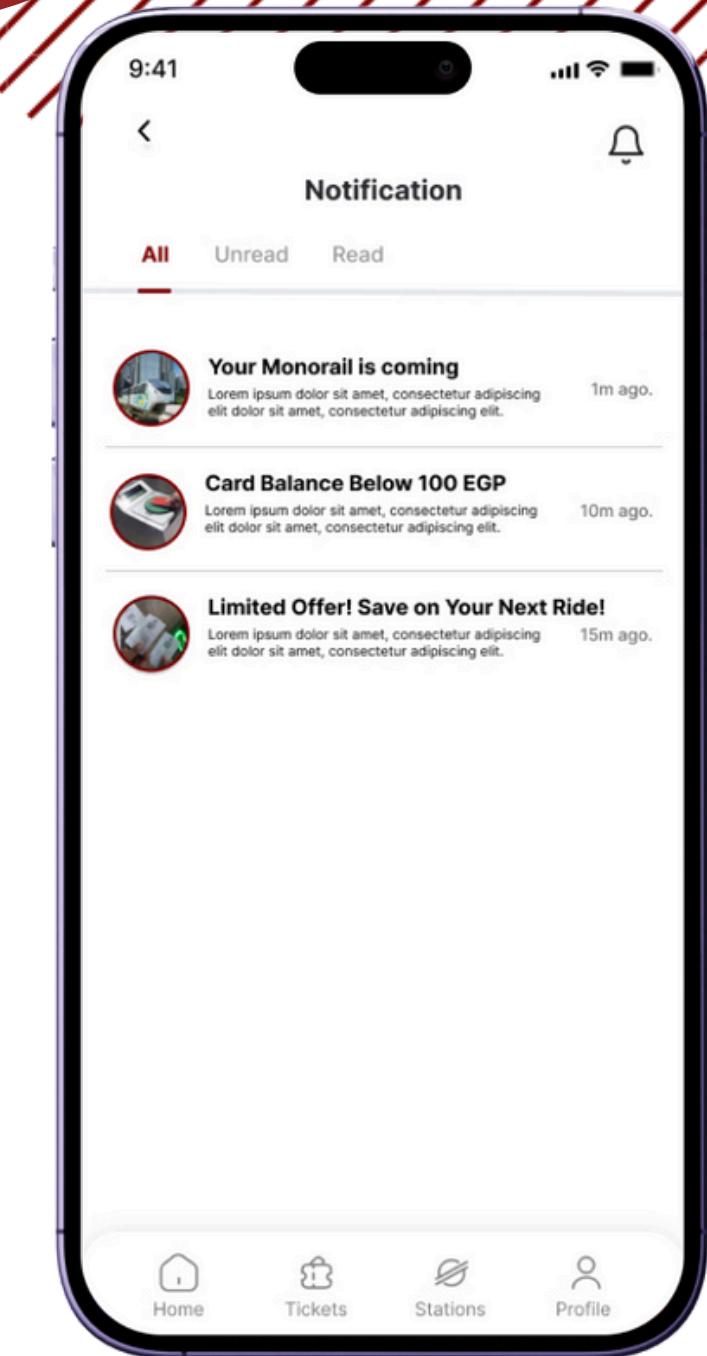
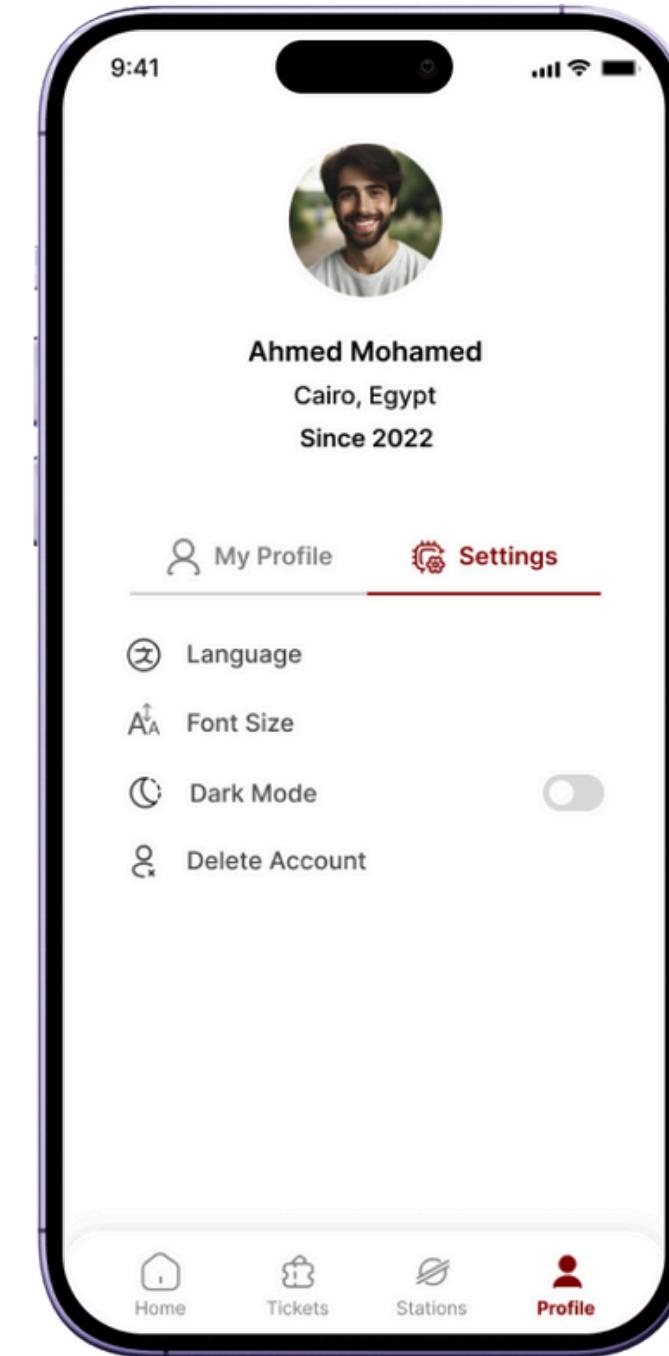
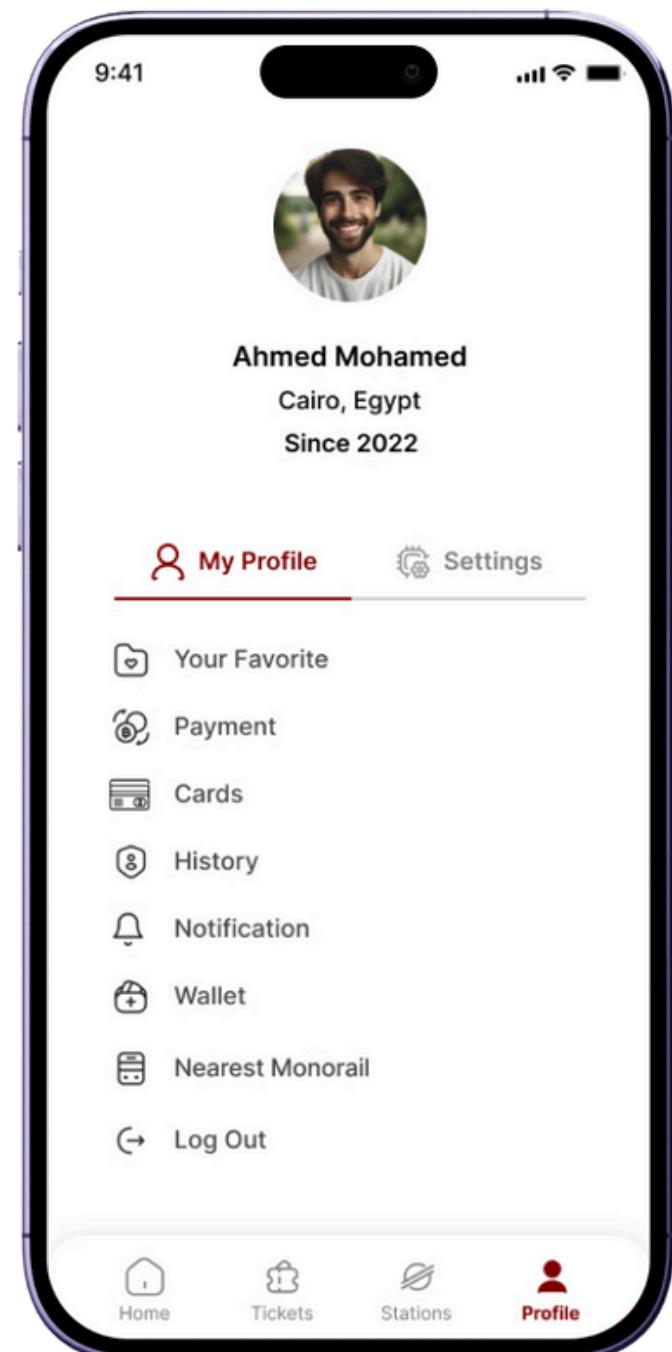
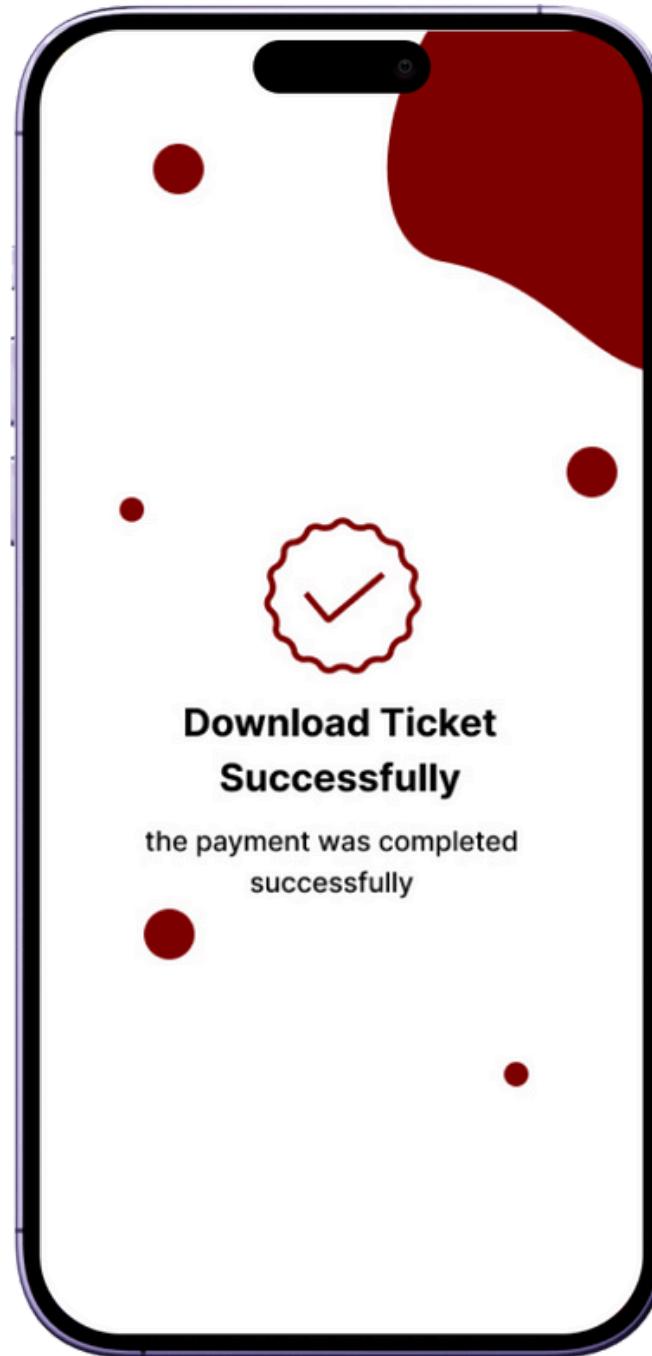
- users can view their card recharge history and track their card transactions.



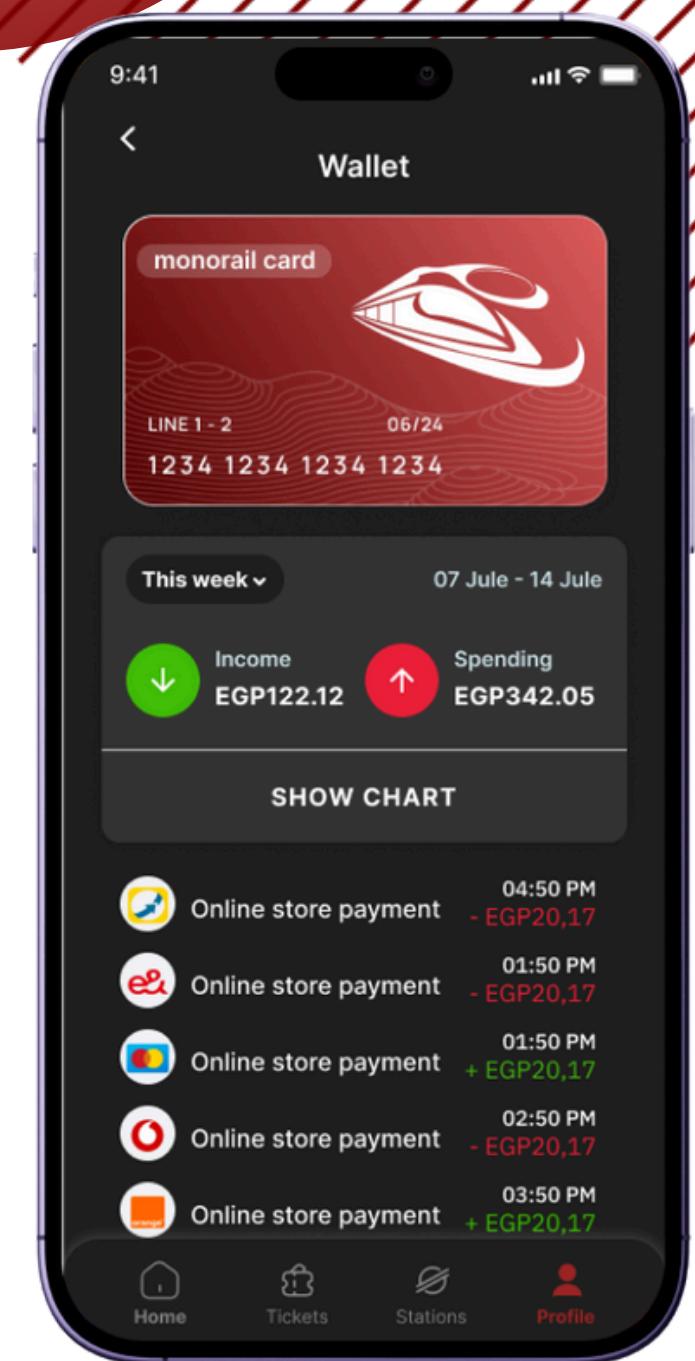
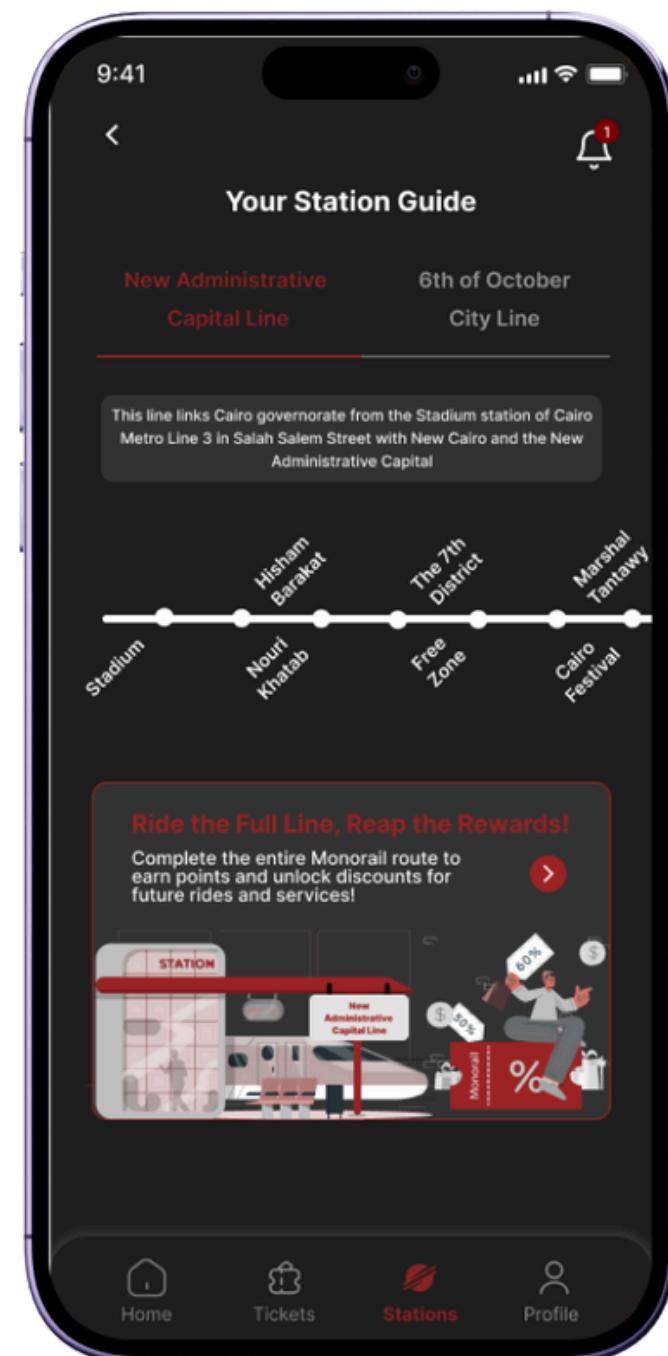
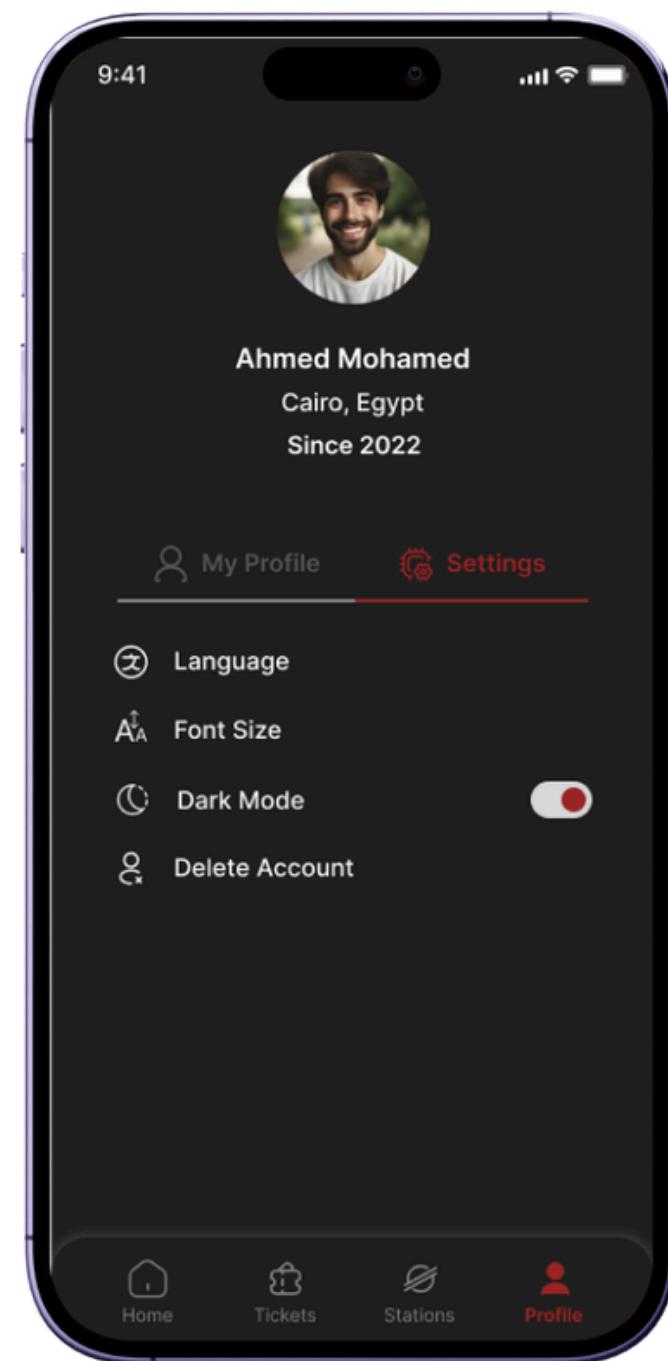
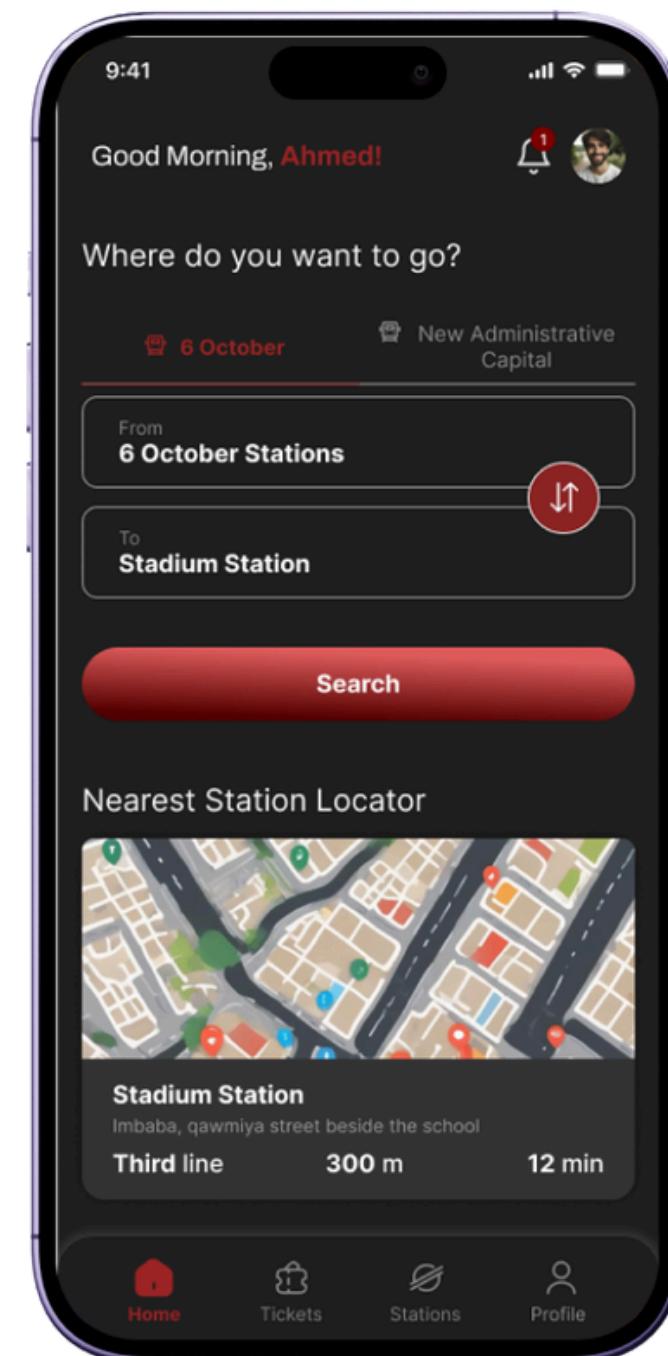
On the card screen:

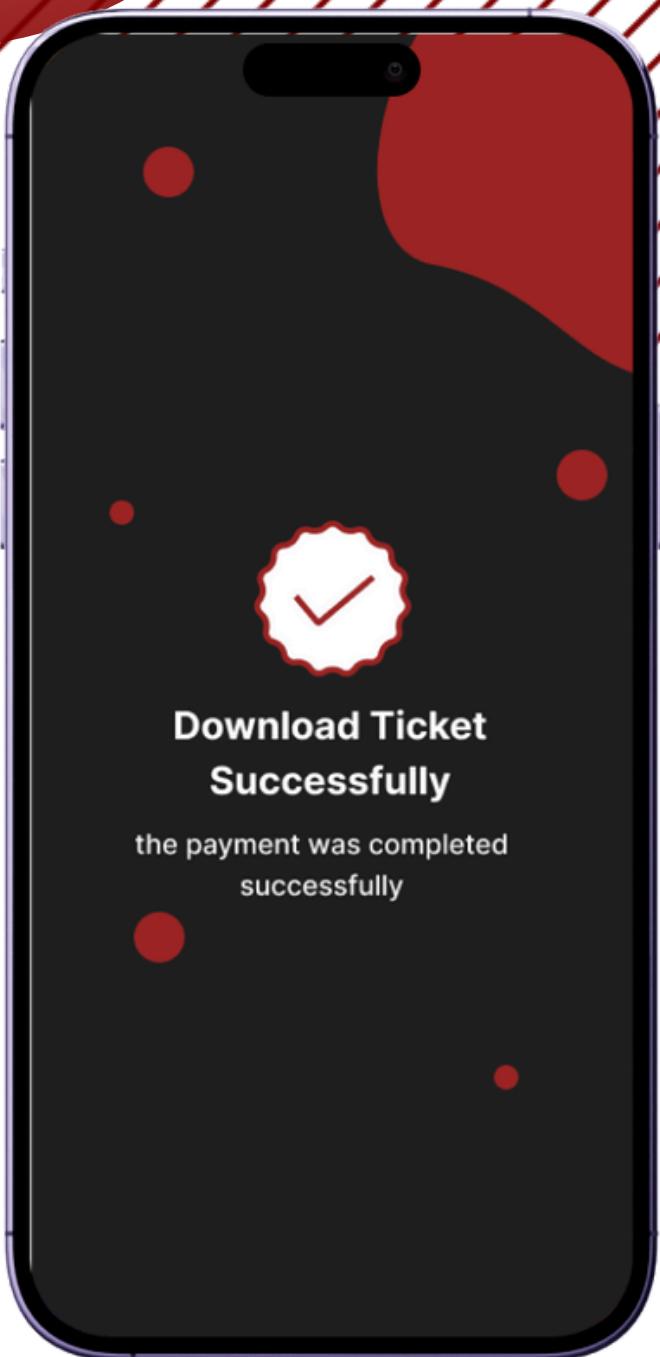
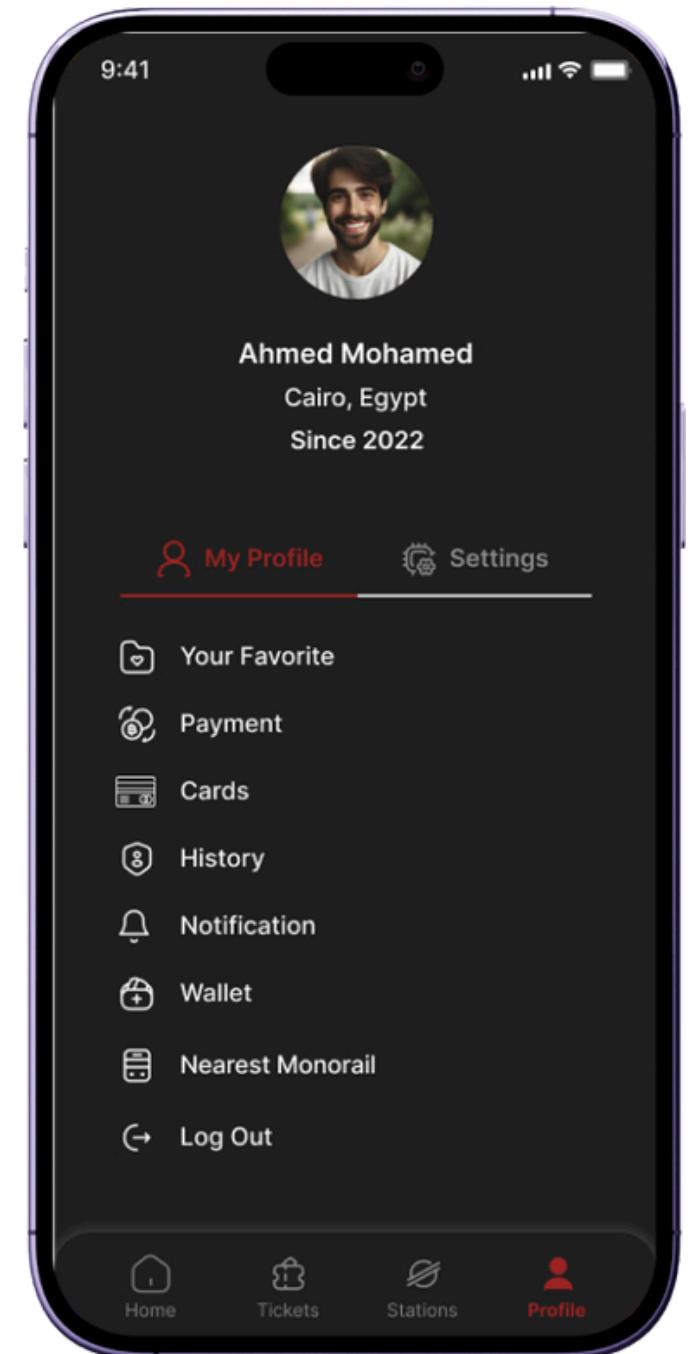
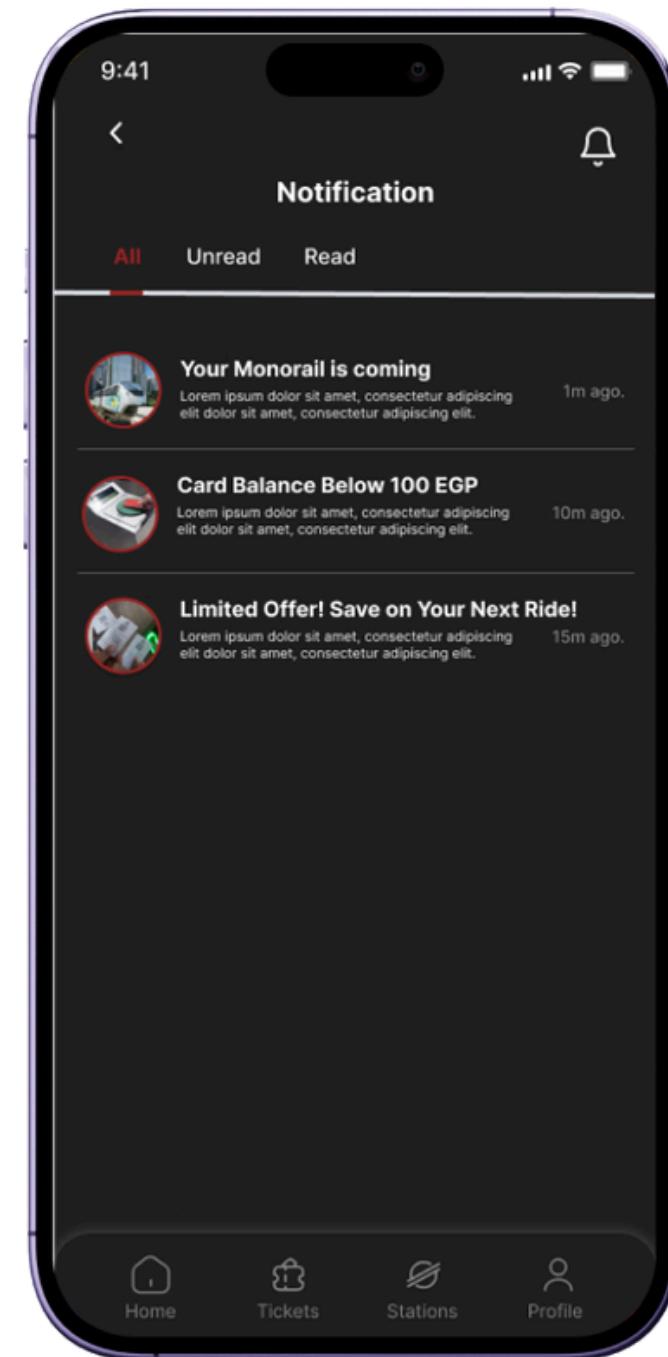
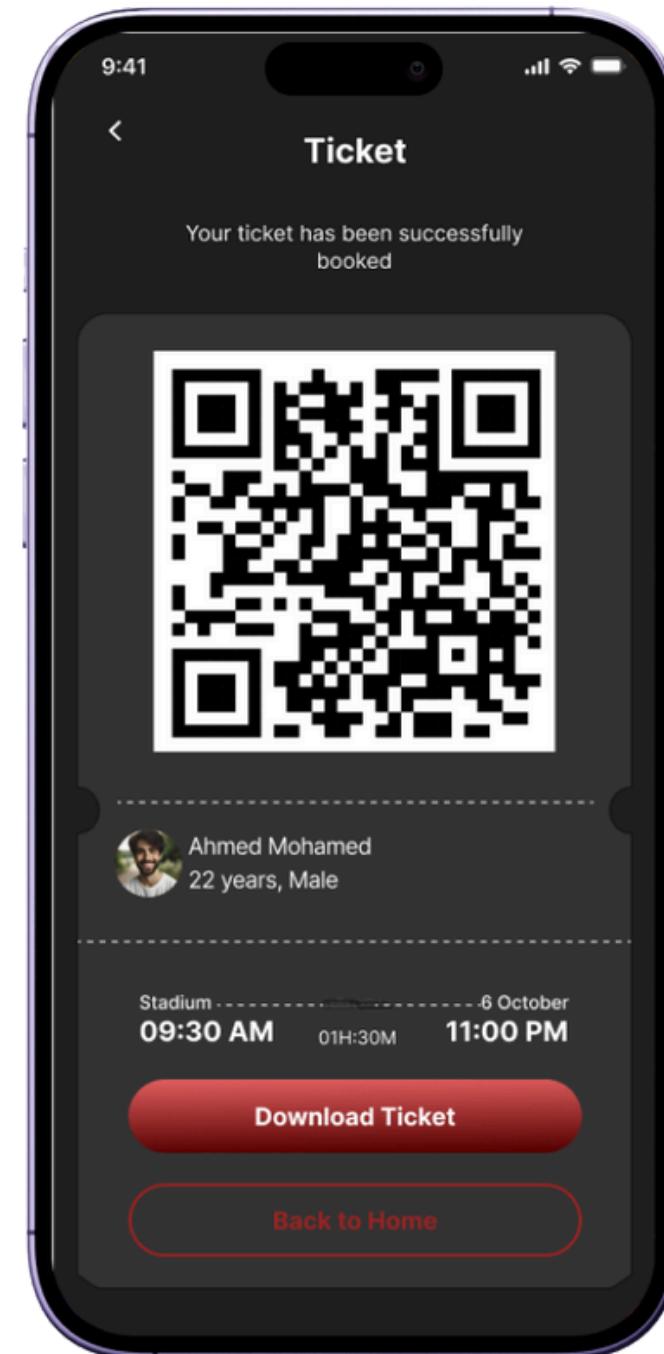
- users can add another card.

Profile screens

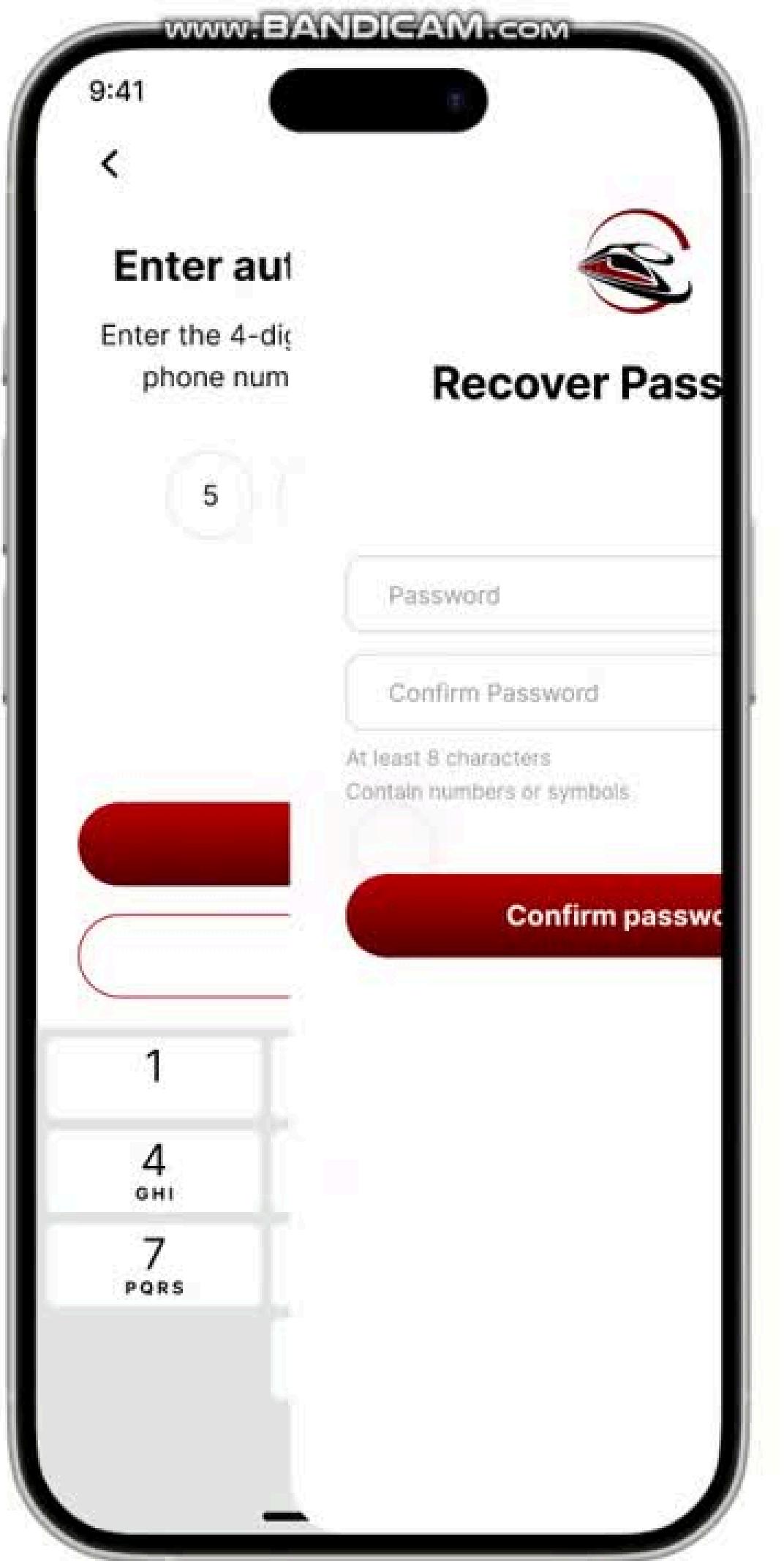


Dark Mode:





Prototype:





THANK YOU

We sincerely thank President Abdel Fattah El-Sisi for his unwavering support of Egyptian youth and his dedication to advancing digital capabilities for a brighter future.

A heartfelt thank you to the Ministry of Communications and Information Technology for launching the Egypt Digital Pioneers Initiative, which has been instrumental in enhancing our skills and opening new opportunities in design.

We are also grateful to the initiative for the resources, knowledge, and community that empowered us to grow and contribute to Egypt's digital landscape.

Lastly, our deepest thanks go to Badr Sayed, our UI/UX design instructor, whose guidance and encouragement have shaped our skills and boosted our confidence throughout this journey.

Thank you all!



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