RunMarathon: an Android App to Reduce Costs and Energy Consumption in a Marathon Tracking System

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WNMA Course Final Project

AY 2022-2023

The project

GOAL:

Implement an alternative marathon tracking system:

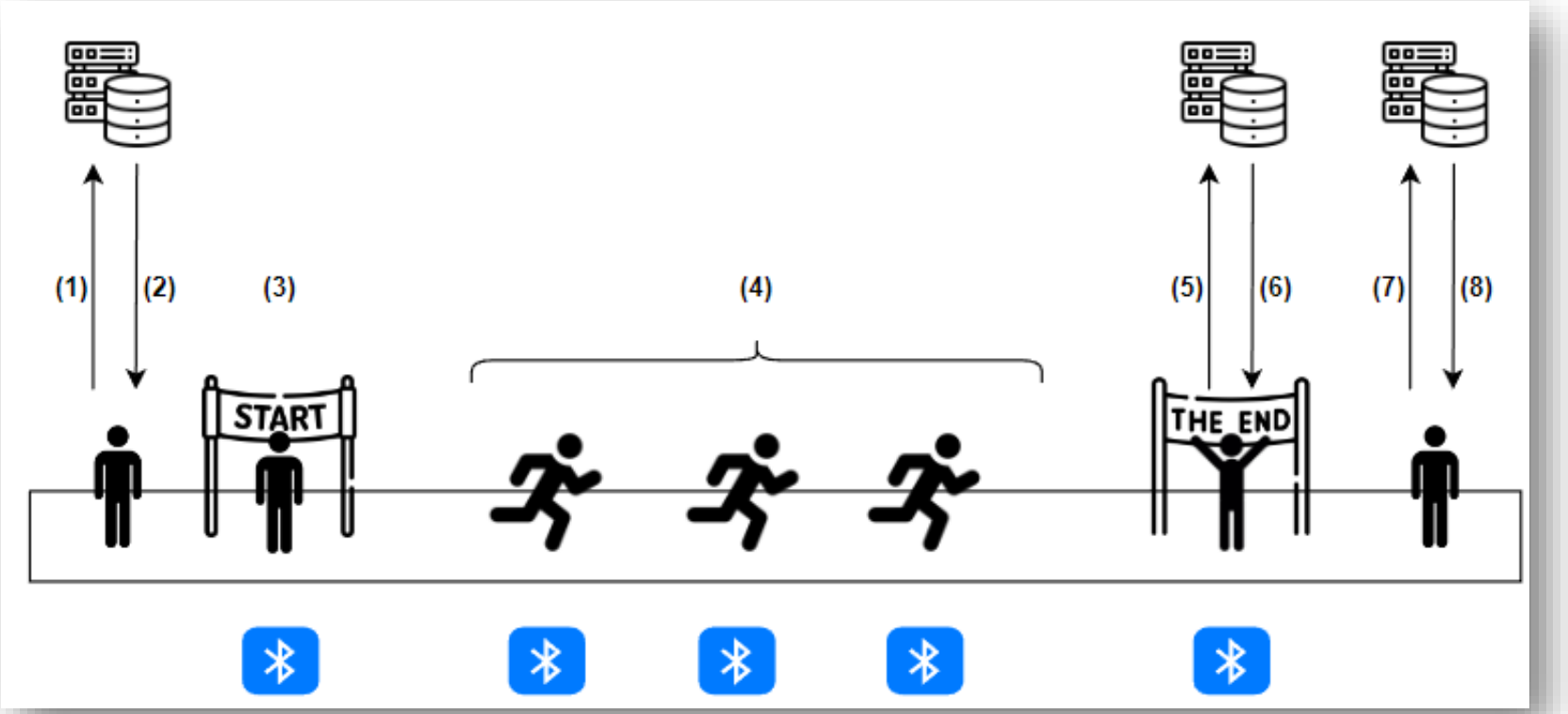
- lower cost;
- lower energy;
- minimizing the additional hardware needed (e.g., no RFID tags).

Study the advantages and the limits of such implementation.

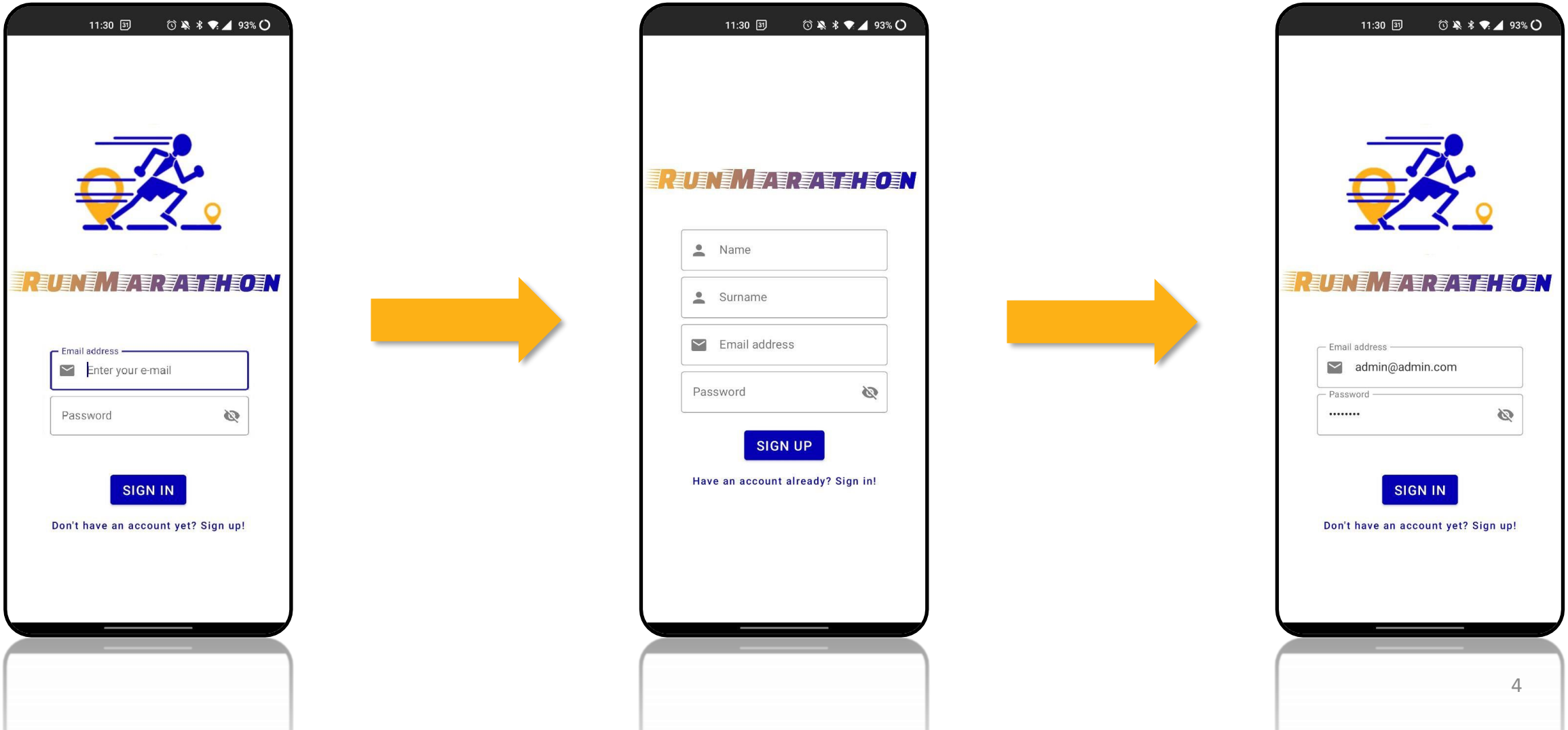
OUTCOME:

A Bluetooth based system, requiring an Android mobile application which interacts with BLE beacons placed along the path.

How it works



RunMarathon



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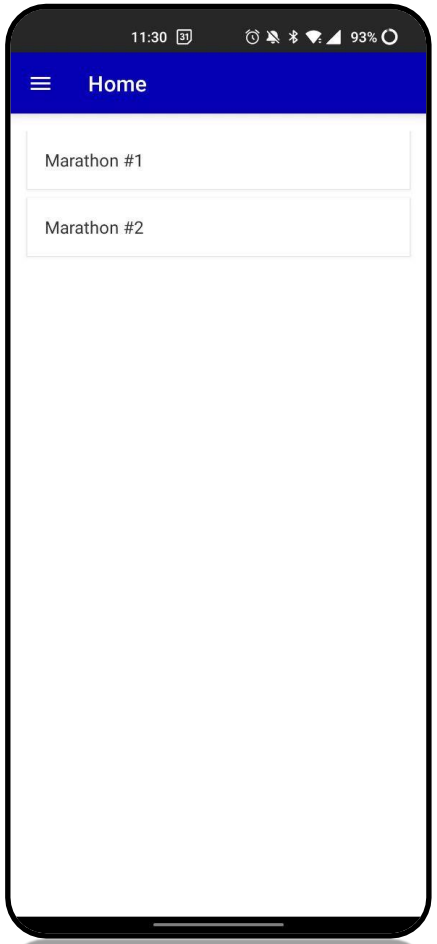

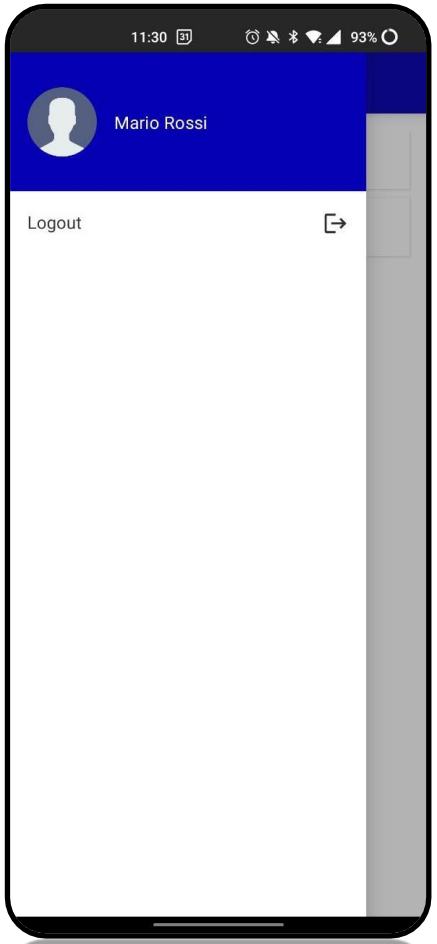

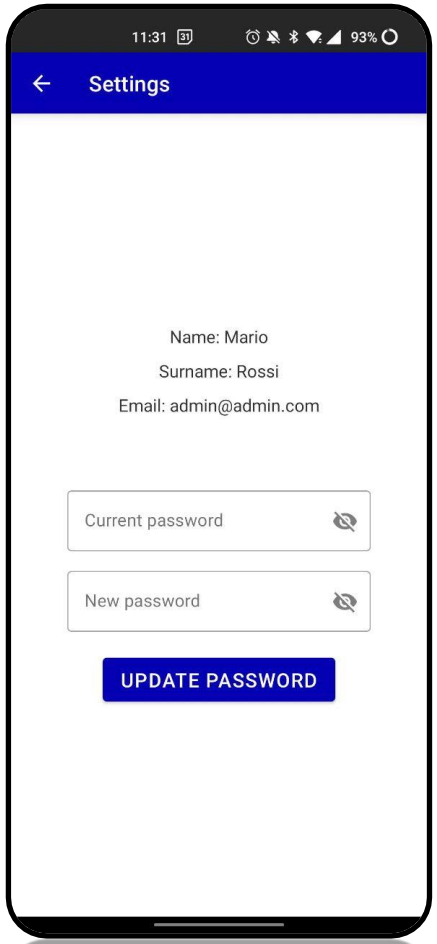

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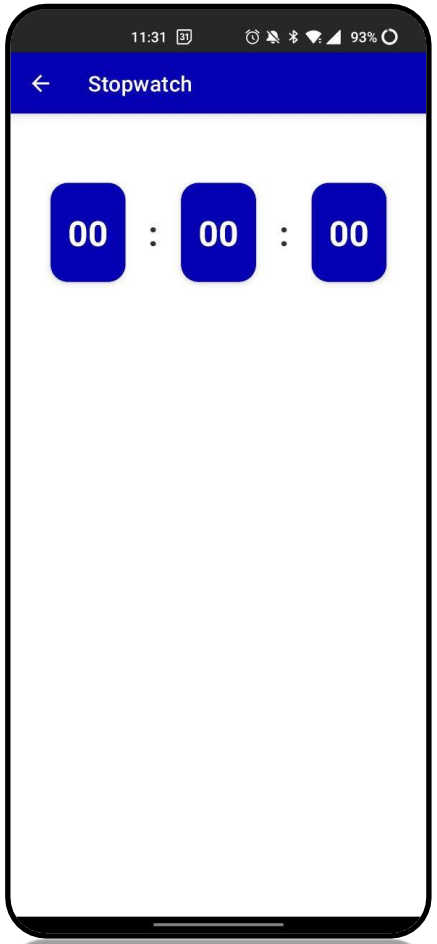
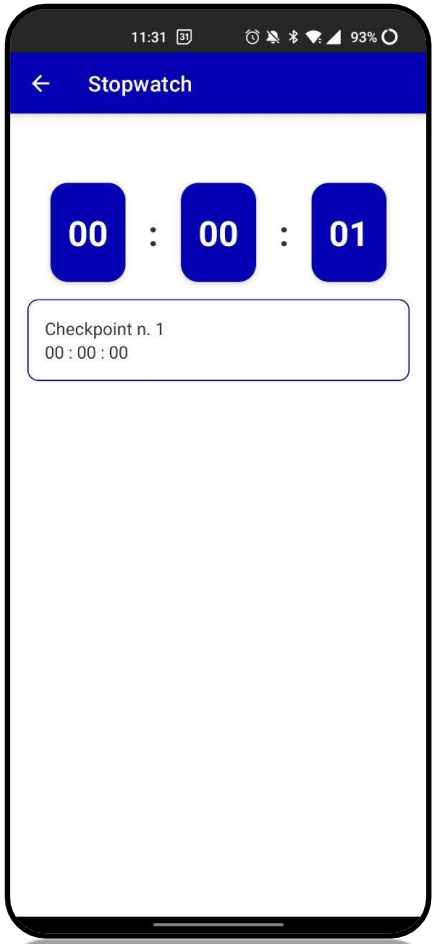
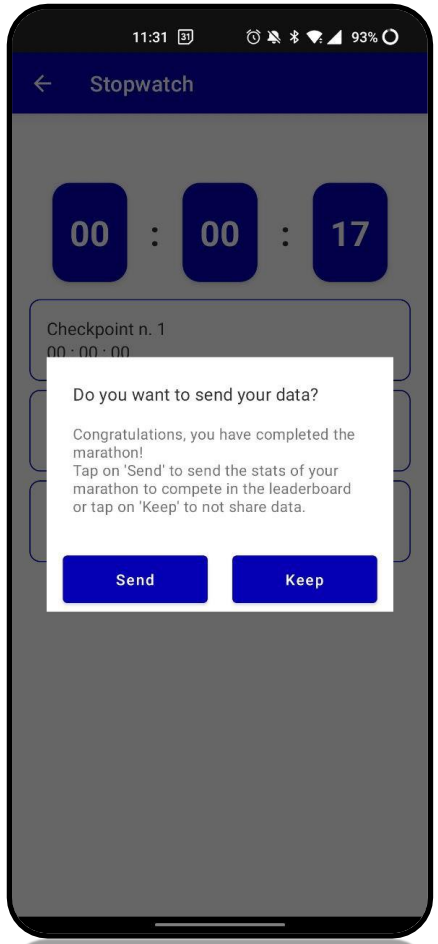


FIRST BEACON



LAST BEACON



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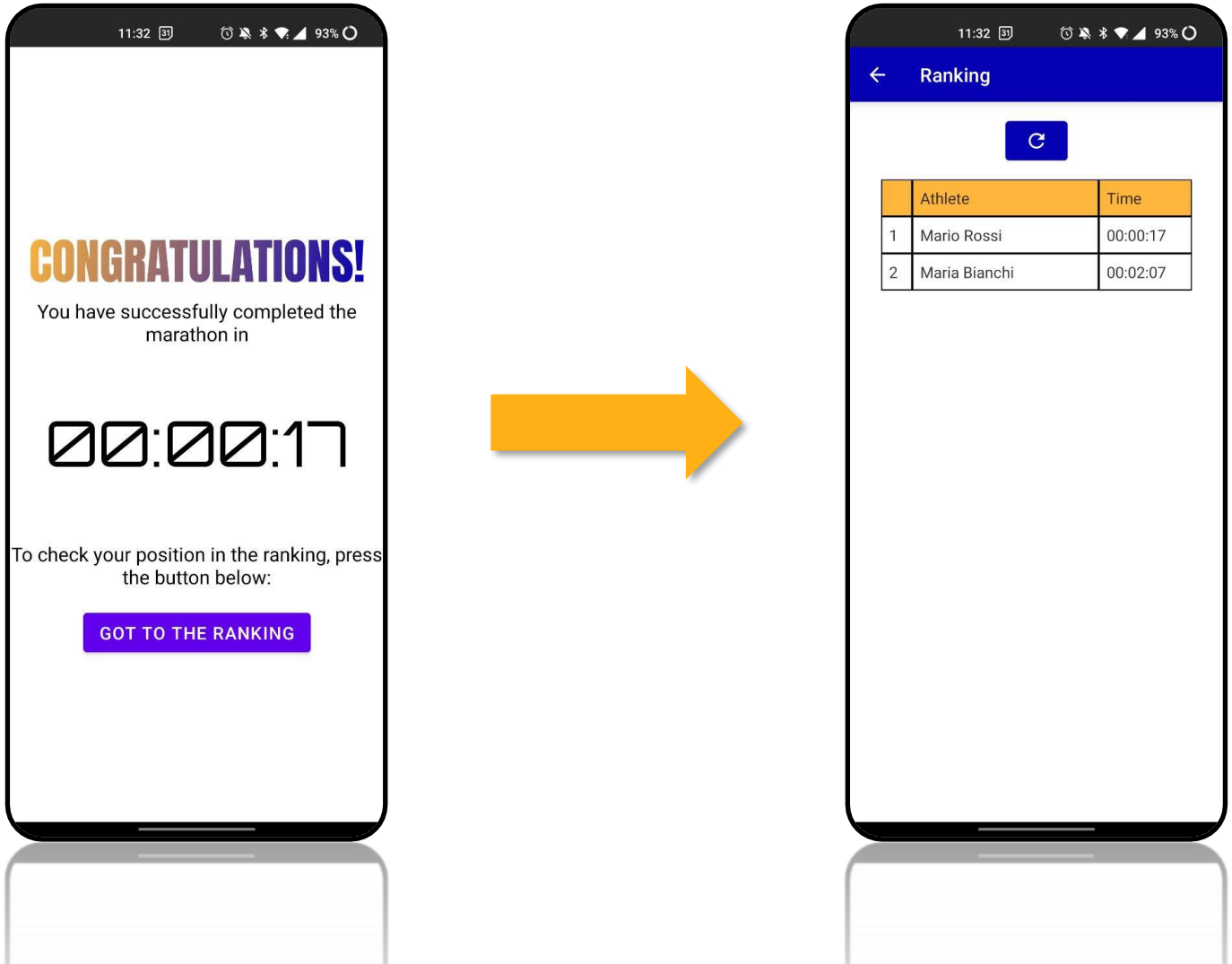

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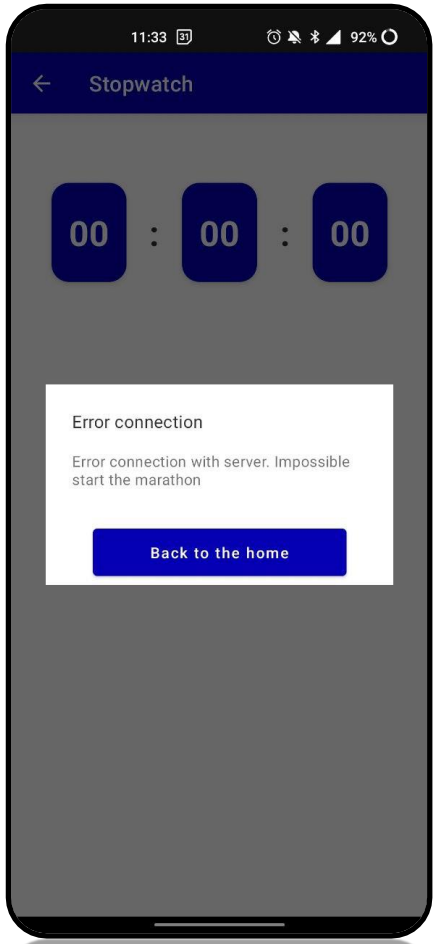
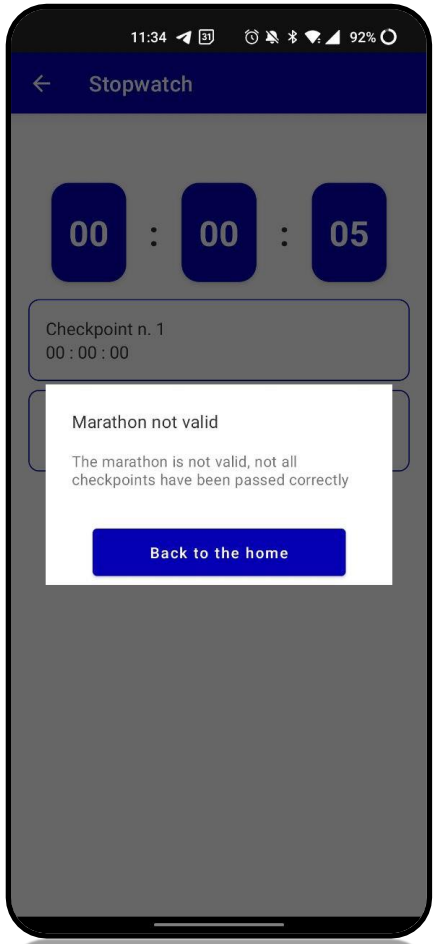
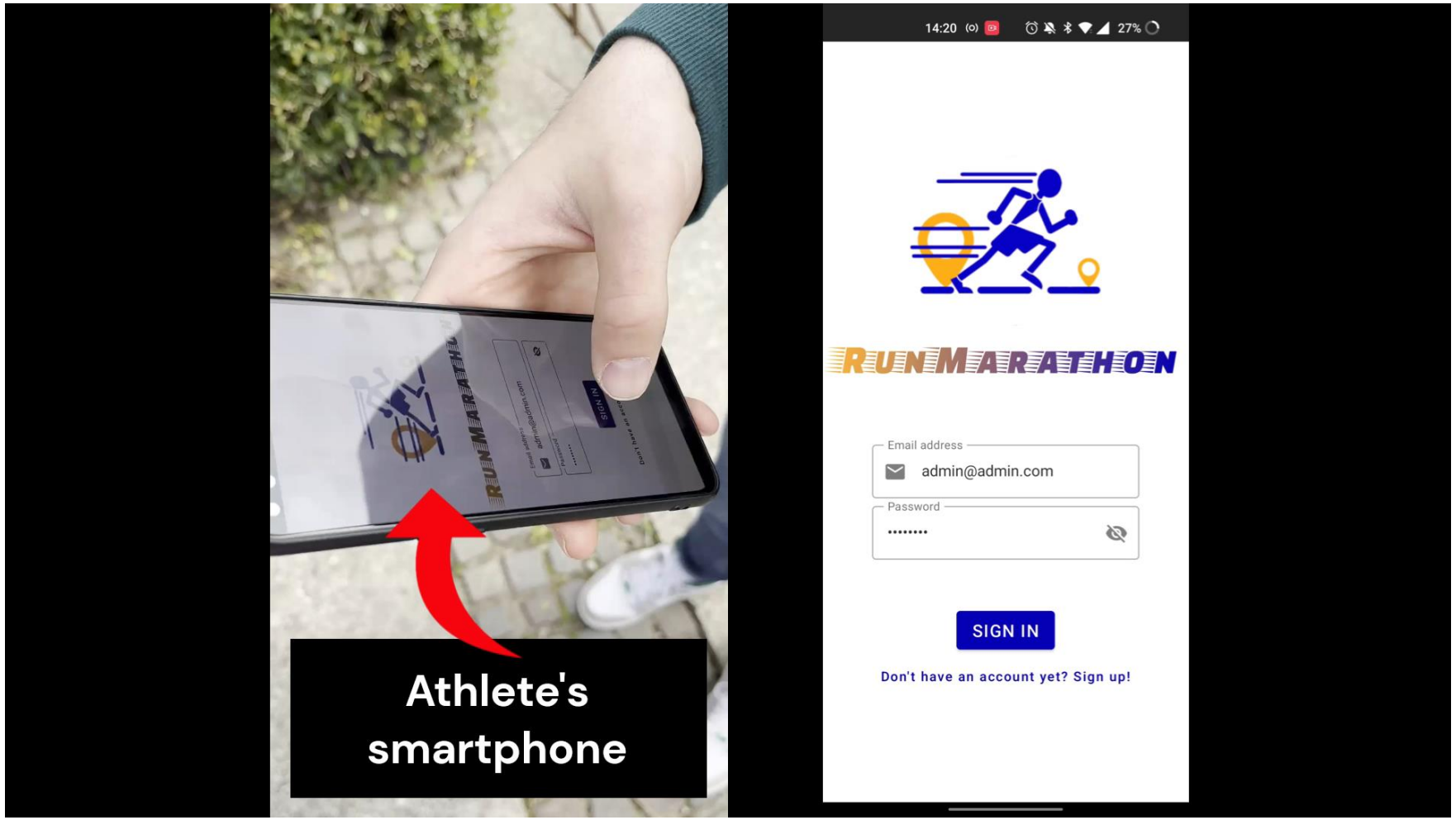




Demo


Athlete's smartphone
14:20
27%
RUNMARATHON
Email address
admin@admin.com
Password
SIGN IN
Don't have an account yet? Sign up!