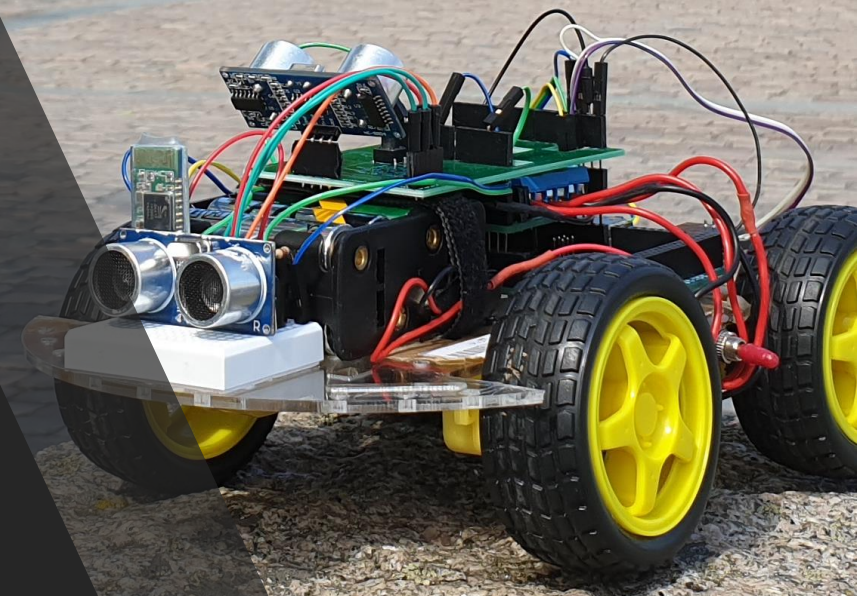


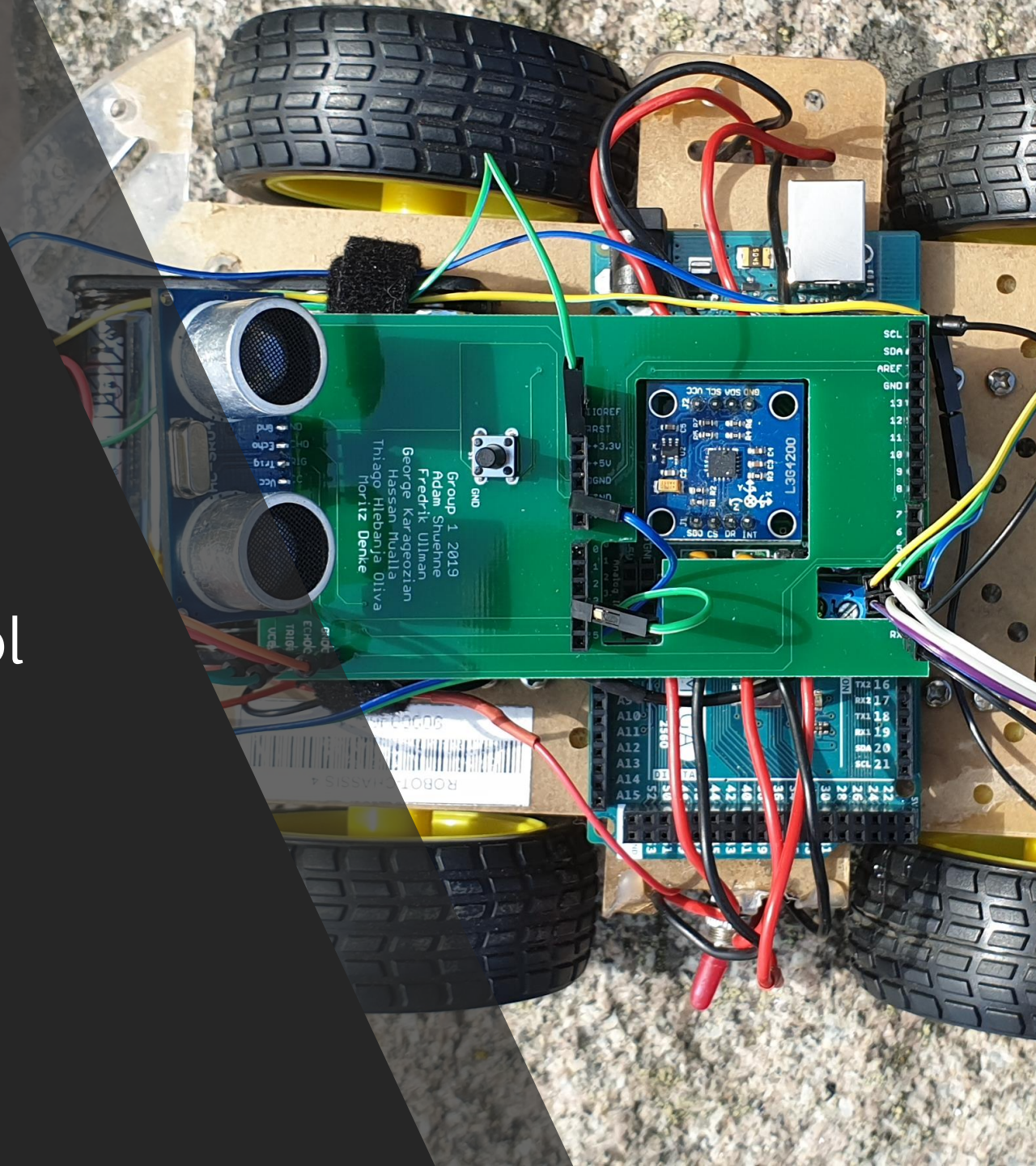
It's time to wake up!

Speedy Carzales



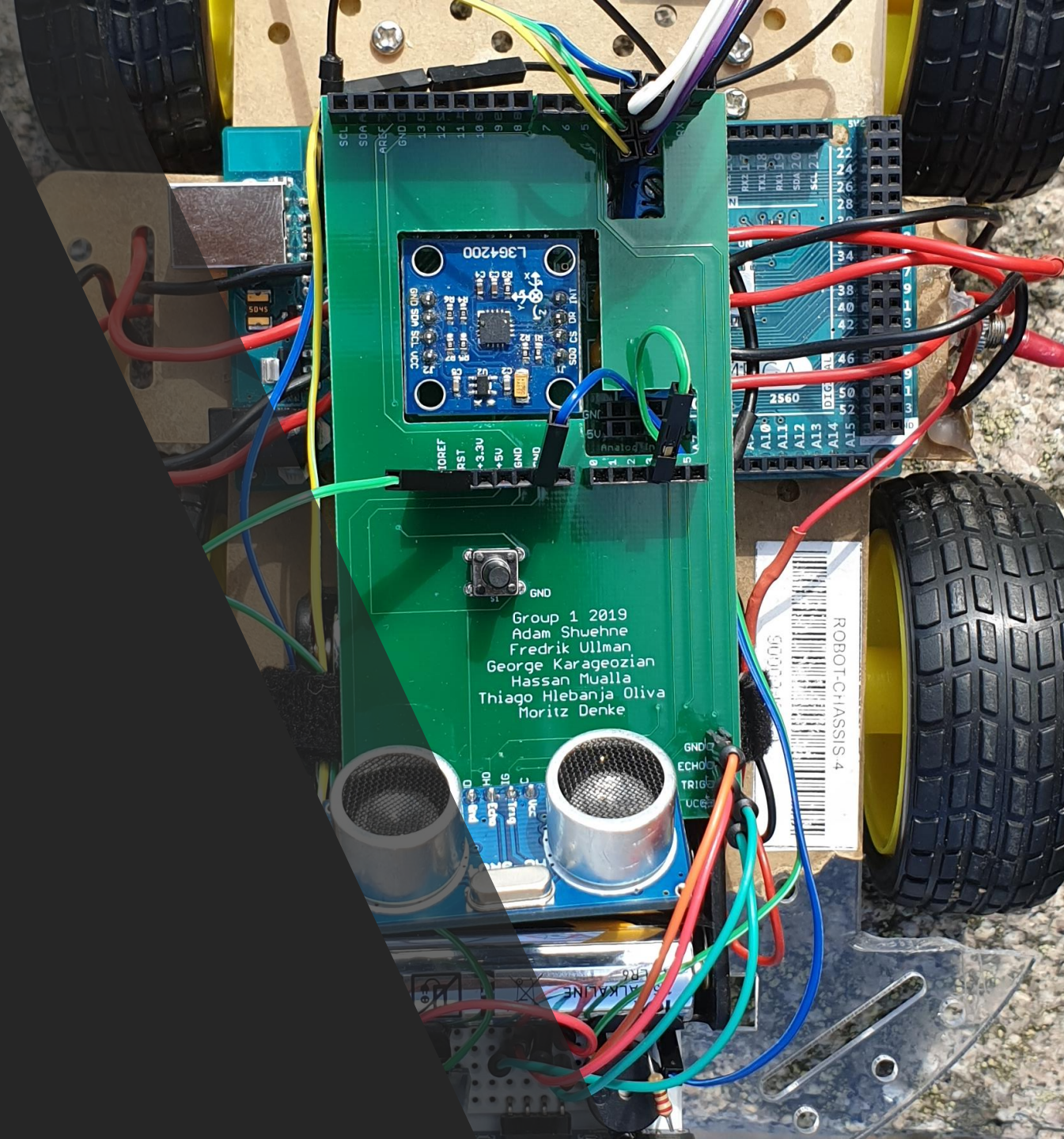
Features

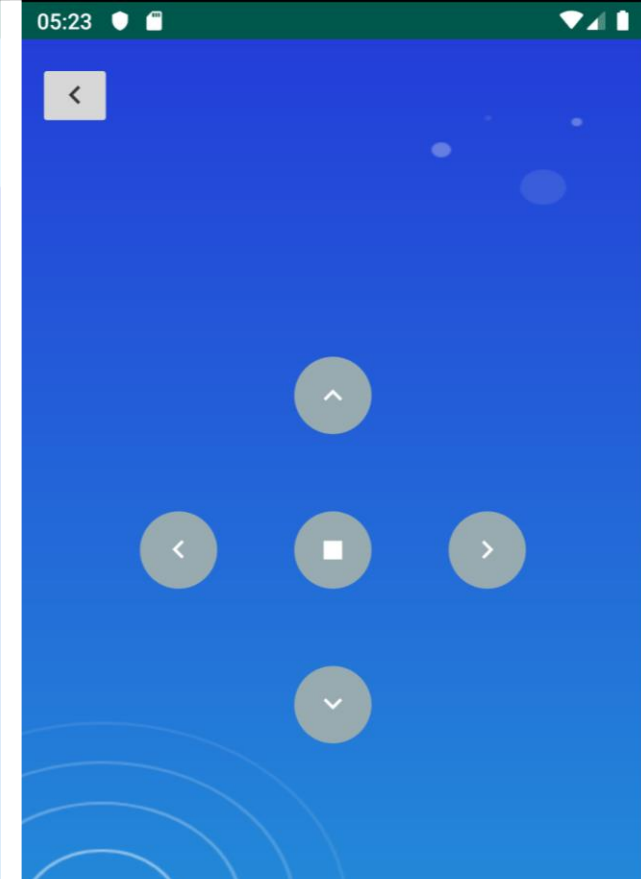
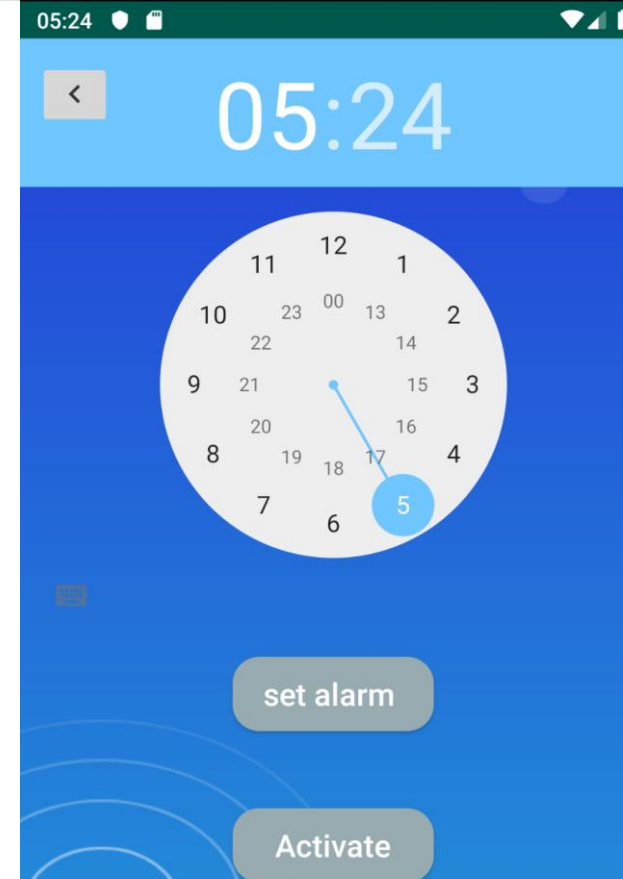
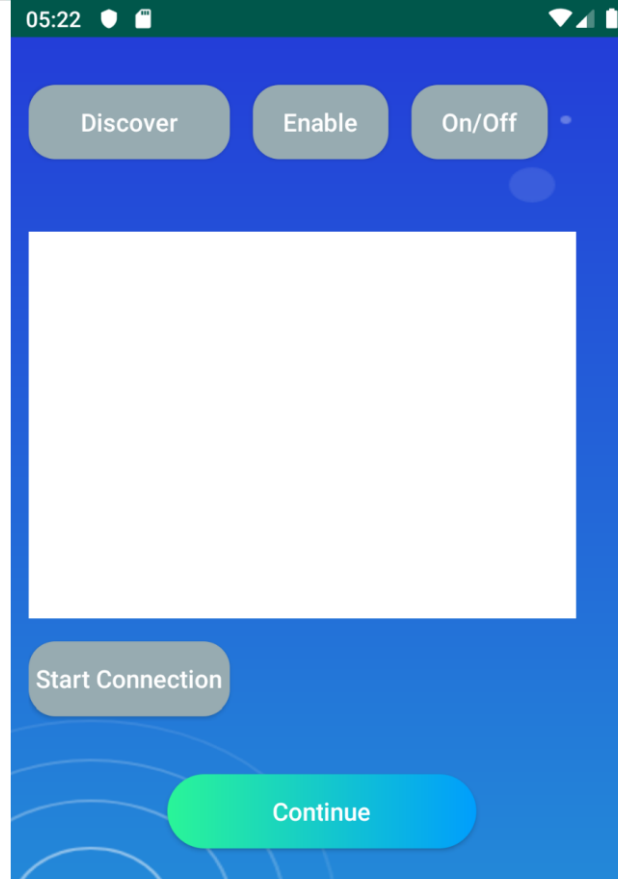
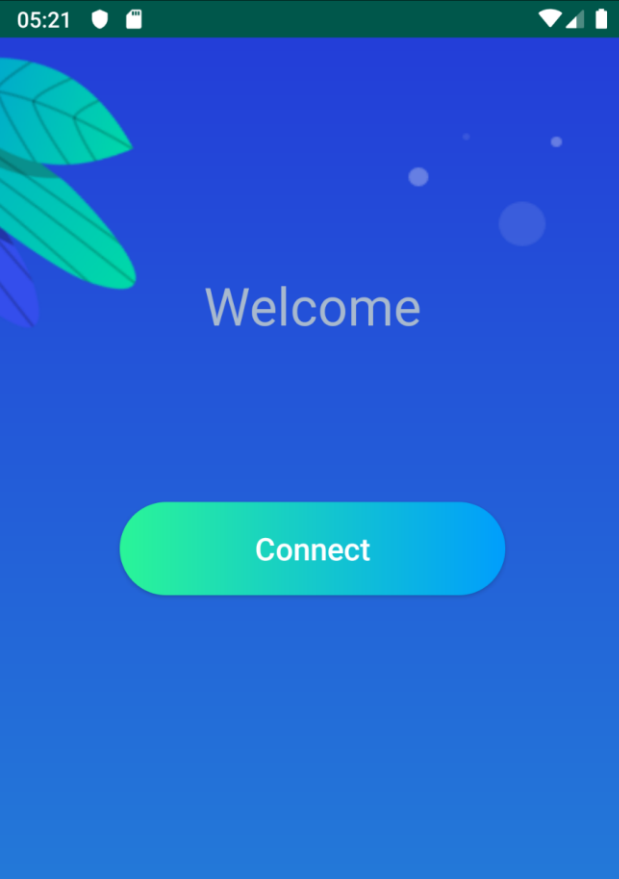
- Fully autonomous mode
- Manual control via Bluetooth
- Application that allows control
- Alarm functionality
- Tone



Hardware

- Arduino Mega
- Smartcar Shield
- 2 Ultrasonic Sensors
- Active Buzzer
- 4 Engines
- Custom PCB





The App

The PCB

Used to connect to Arduino:

- Button
- 2 Ultrasonic Sensors

Created in EAGLE CAD



Group 1 2019
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Fredrik Ullman
George Karageozian
Hassan Mualla
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Moritz Denke



Development Schedule

April 9th:
Project
Proposal

April 12th:
Established
Bluetooth Connection

April 29th:
Improved obstacle
avoidance

May 13th:
Implementation of stop
Button

May 16th:
Implementation of
Alarm function

May 21th:
Buzzer
Integration and more

April 9th:
Basic
Obstacle
Avoidance

April 16th:
Basic
App

May 4th:
Functional Improvements
on the App

May 15th:
Visual Improvements
on the App

May 20th:
PCB



The Team