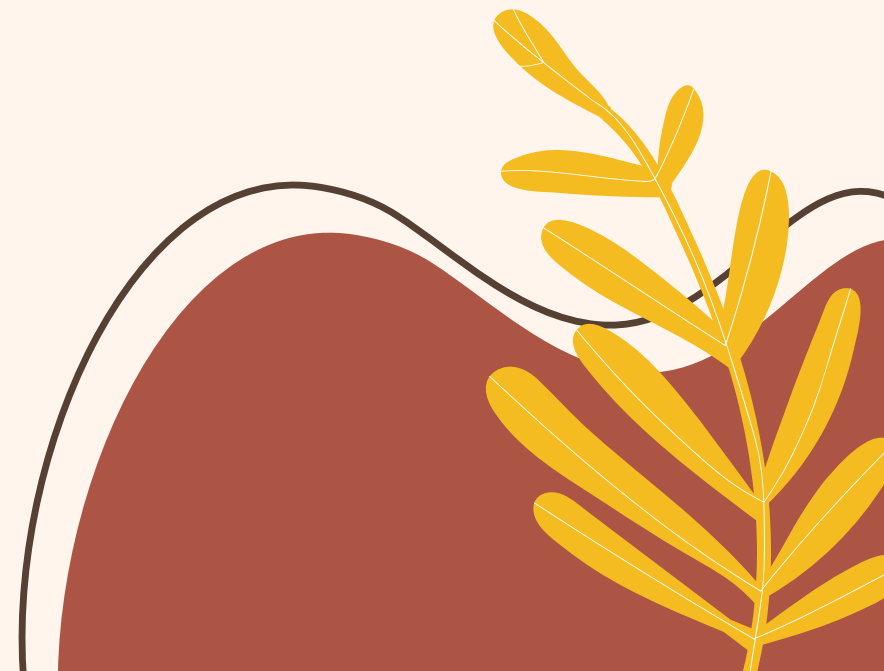

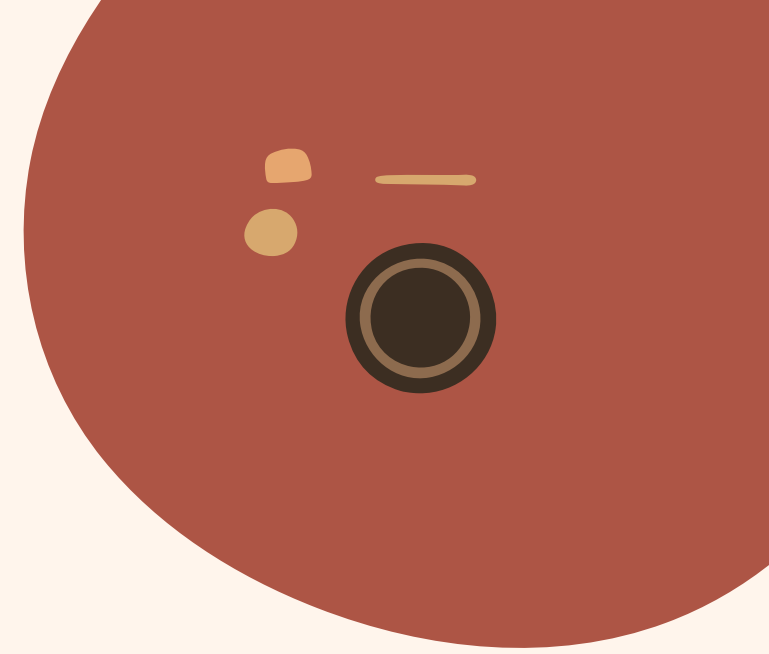




# **Automatic Pet Feeder**

Presented by Rusu Dinu-Stefan & Mis Emilia Oana

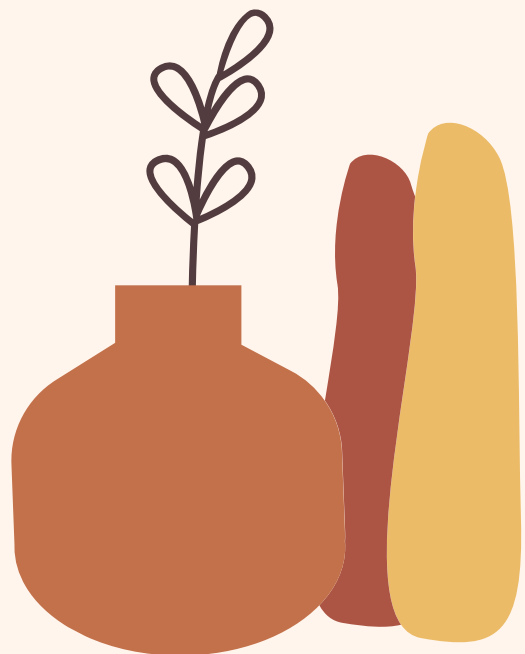


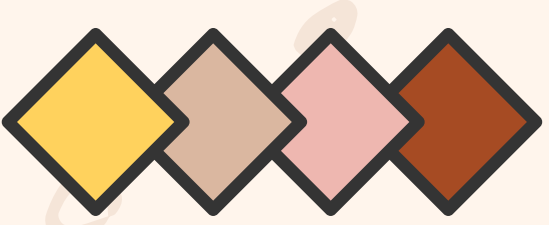


# Our Team

**Rusu Dinu Stefan - Software**

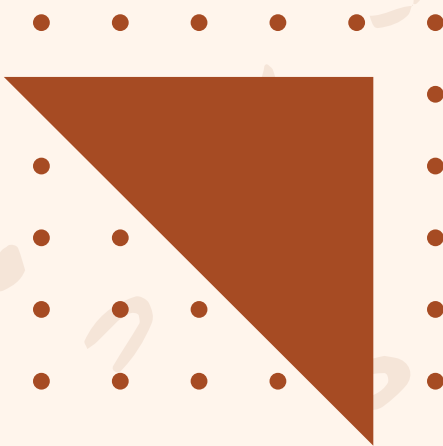
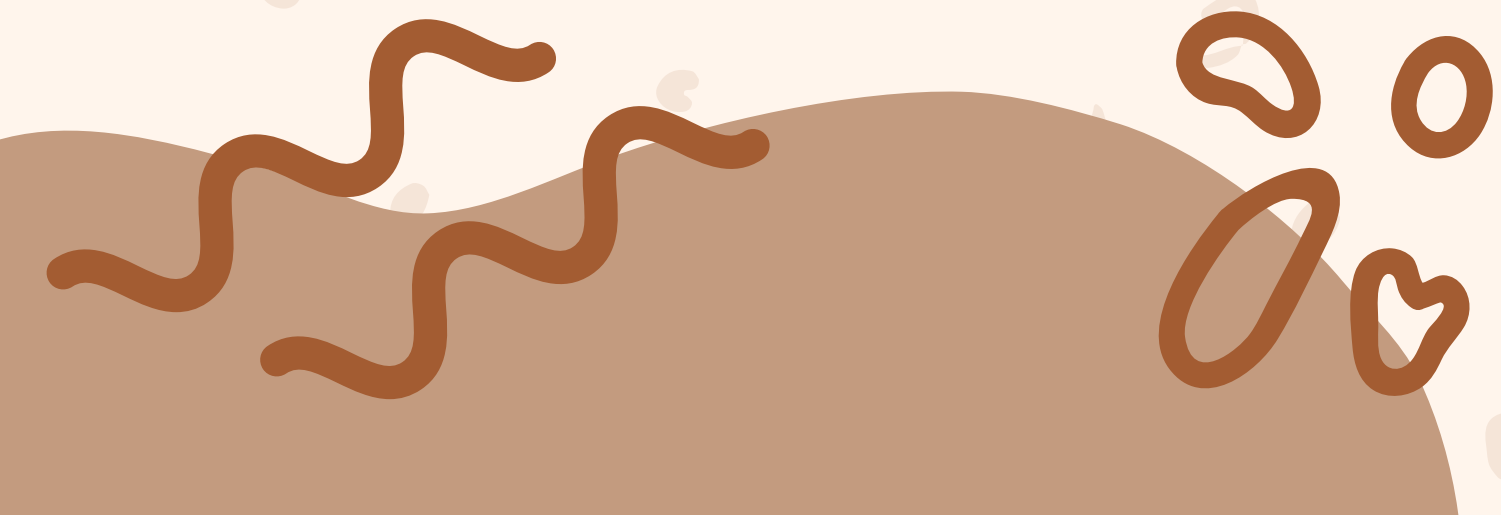
**Mis Emilia Oana - Hardware & Documentation**





# Purpose

The purpose of this project is to create an automatic pet feeder that allows pet owners to feed their pets on a schedule or on demand using a mobile app. This can be useful for pet owners who are busy or away from home for extended periods of time and want to ensure their pets are fed regularly.



# Use Cases

# Technologies

The project uses several technologies, including a servomotor for dispensing the food, an ESP8266 Wi-Fi MCU for connectivity and control, and a mobile app for scheduling and control. The app communicates with the esp8266 over Wi-Fi to send commands for feeding and scheduling.



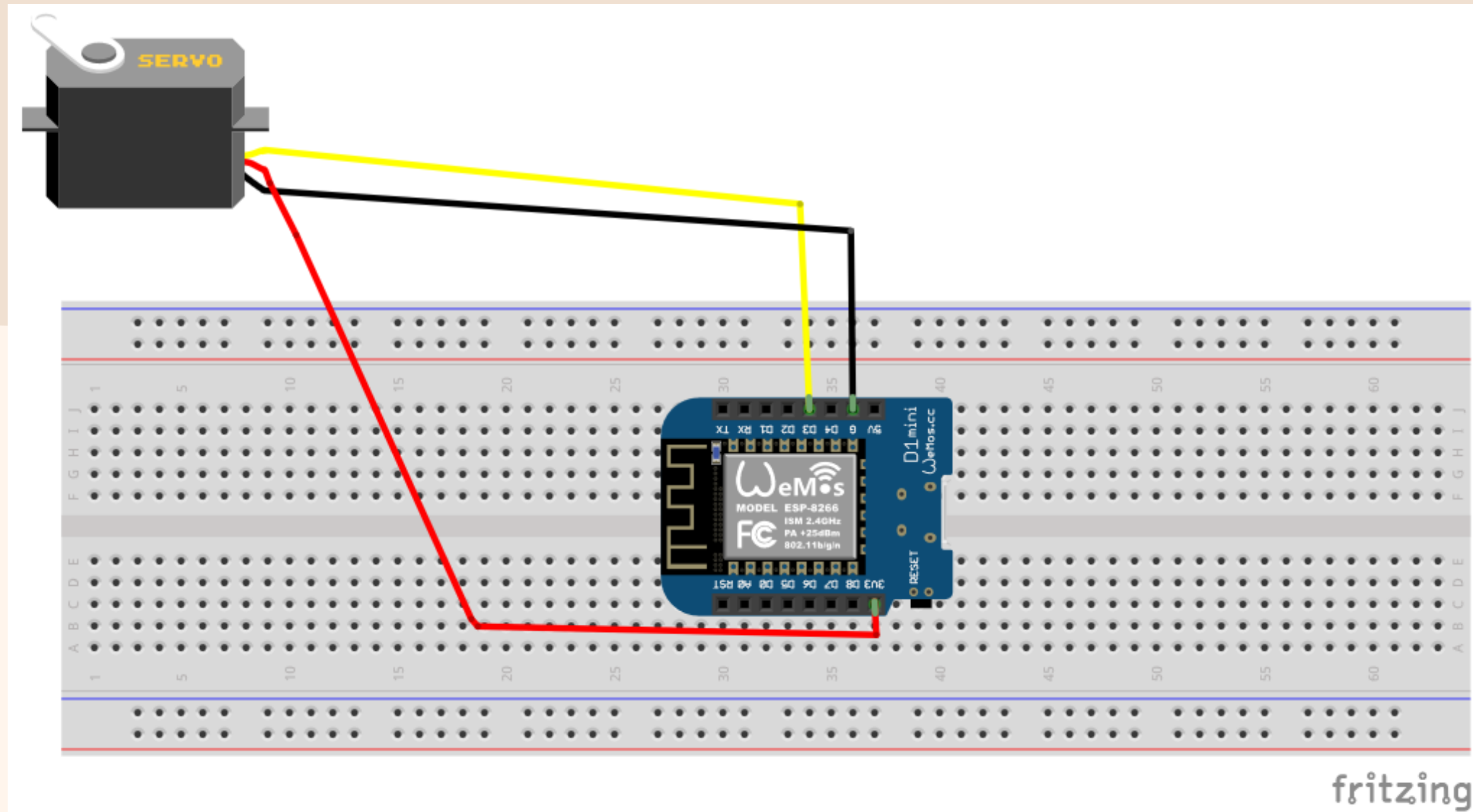
**Busy pet owners:** Pet owners who are busy with work or other activities can schedule feedings in advance to ensure their pets are fed on time.

**Traveling pet owners:** Pet owners who are traveling can use the mobile app to feed their pets remotely and ensure they are being taken care of.

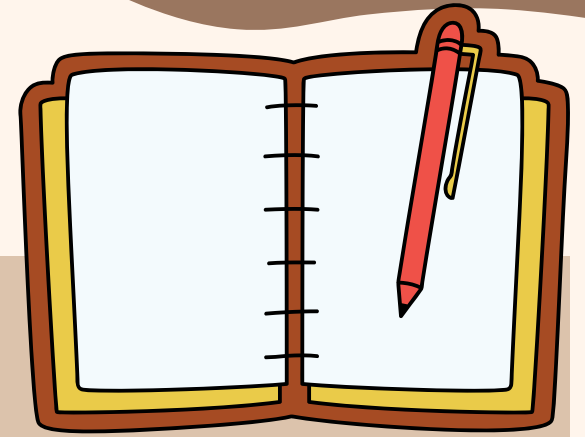
**Special diets:** Pet owners with pets on special diets can use the app's food safety page to determine what foods are safe for their pets and program the feeder accordingly.

**Multiple pet households:** Pet owners with multiple pets can use the app to schedule feedings for each pet separately and avoid conflicts over food.

# Electrical schematic



# Bibliography



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