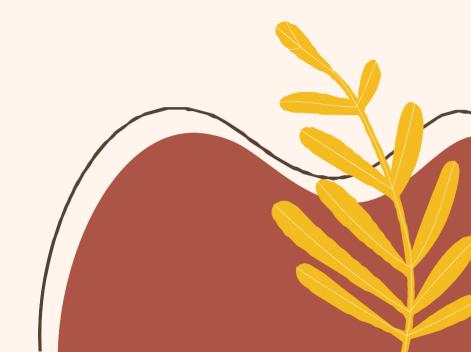
Automatic Pet Feeder

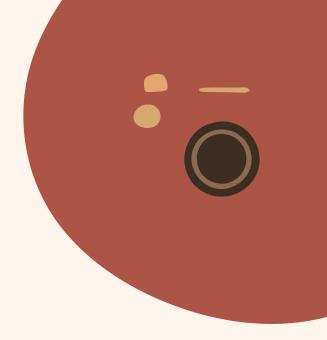
Presented by Rusu Dinu-Stefan & Mis Emilia Oana



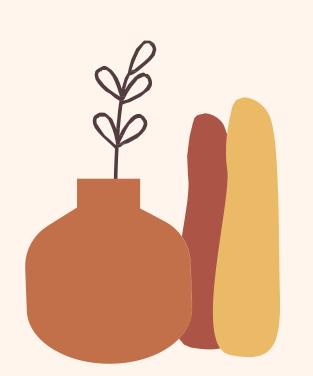




Our Team



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.

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

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

Multiple pet households:

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

Home

CONNECTED







WS Log

feedin3hours:success

WS Log

feednow:success

WS Log

connected:-1

WS Log

Connecting to websocket...

WS Log

WebSocketChannelException: WebSocketChannelException: SocketException: Connection timed out (OS Error: Connection timed out, errno = 110), address = 192.168.4.1, port = 57782

WS Log

Connecting to websocket...

Info

17:00

Good Foods for Dogs

- 1. Lean meats: Chicken, turkey, beef, and lamb are all great sources of protein for dogs.
- 2. Fish: Salmon and sardines are rich in omega-3 fatty acids, which can help keep your dog's skin and coat healthy.

△ ★ ♠ (Voi) ...| 82%

- 3. Fruits and vegetables: Many fruits and vegetables are safe for dogs to eat and can provide a variety of vitamins and minerals. Some examples include carrots, sweet potatoes, apples, and blueberries.
- 4. Eggs: Cooked eggs are a good source of protein for dogs and can be given as an occasional treat.
- 5. Dairy products: Plain yogurt and cottage cheese can be a good source of protein and calcium for dogs, but be sure to avoid products with added sugar or artificial sweeteners.

Bad Foods for Dogs

- 1. Chocolate: Chocolate contains the obromine, which can be toxic to dogs in large amounts.
- 2.Grapes and raisins: These can cause kidney failure in dogs, even in
- 3. Onions and garlic: These can damage a dog's red blood cells and cause
- 4. Avocado: The pit, skin, and leaves of avocados contain persin, which can be toxic to dogs.
- 5. Alcohol: Even small amounts of alcohol can be dangerous to dogs and can cause vomiting, diarrhea, coordination problems, and even death.
- 6. Bones: Cooked bones can splinter and cause blockages or perforations in a dog's digestive system.
- 7. Processed foods: Foods that are high in salt, sugar, and preservatives can be harmful to dogs and contribute to obesity and other health problems.

Settings

17:00

Current server address:

ws://192.168.4.1:81



Enter new server address















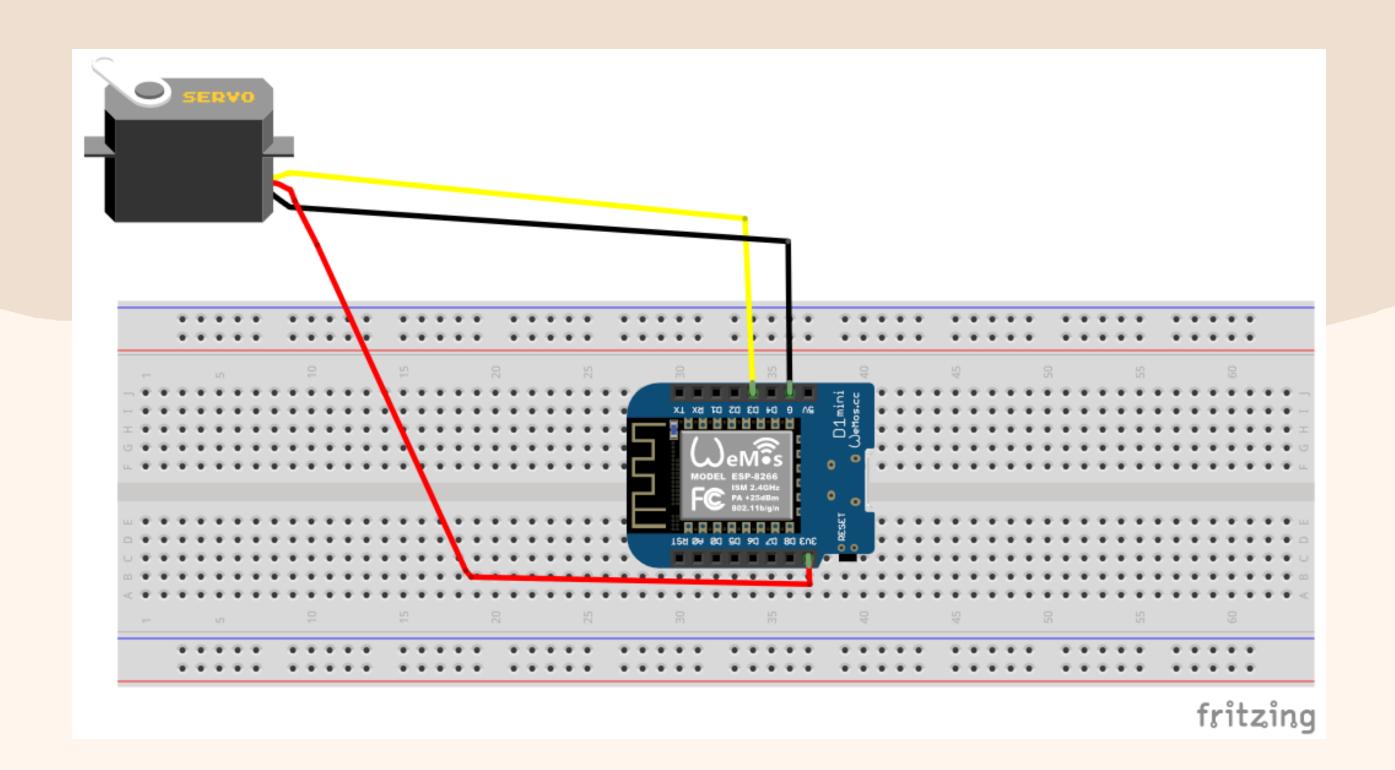


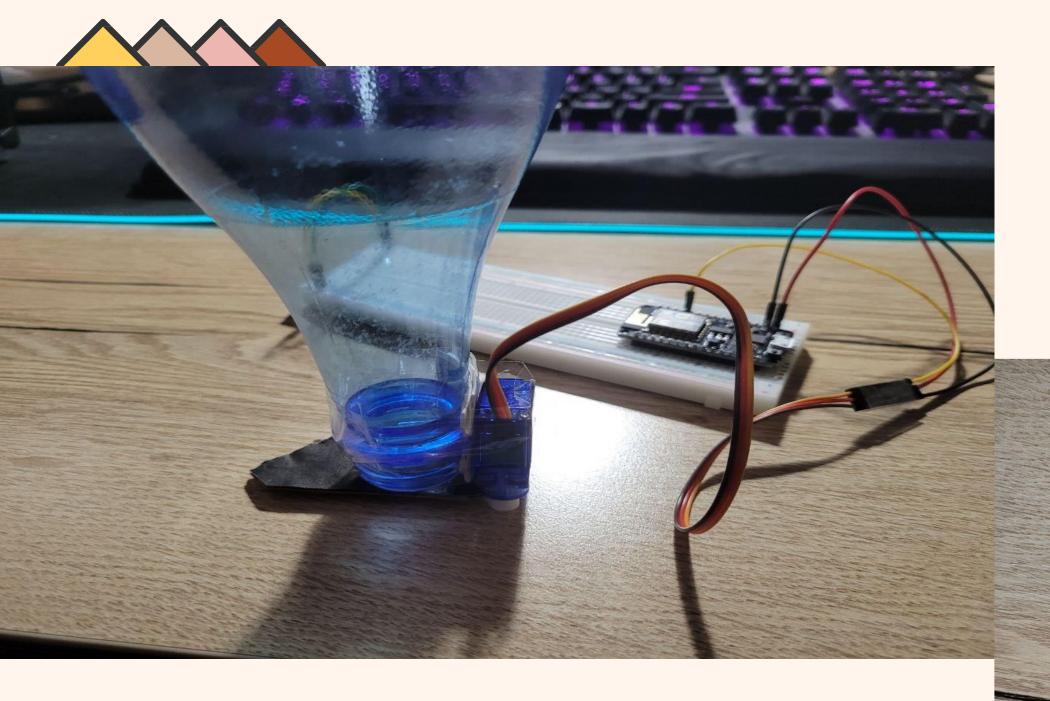


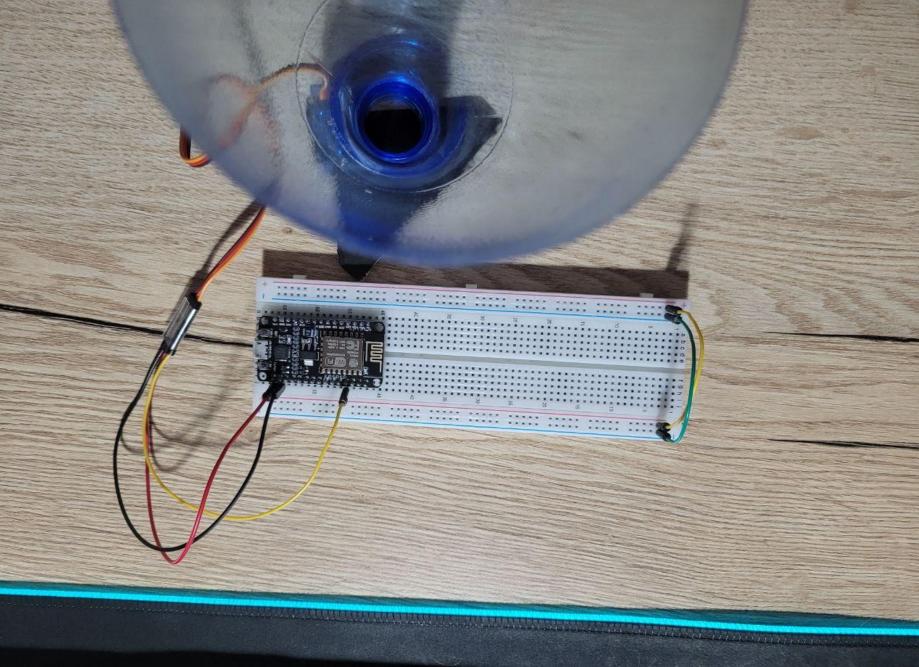


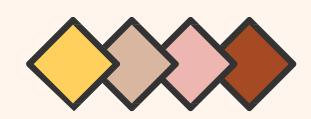


Electrical schematic

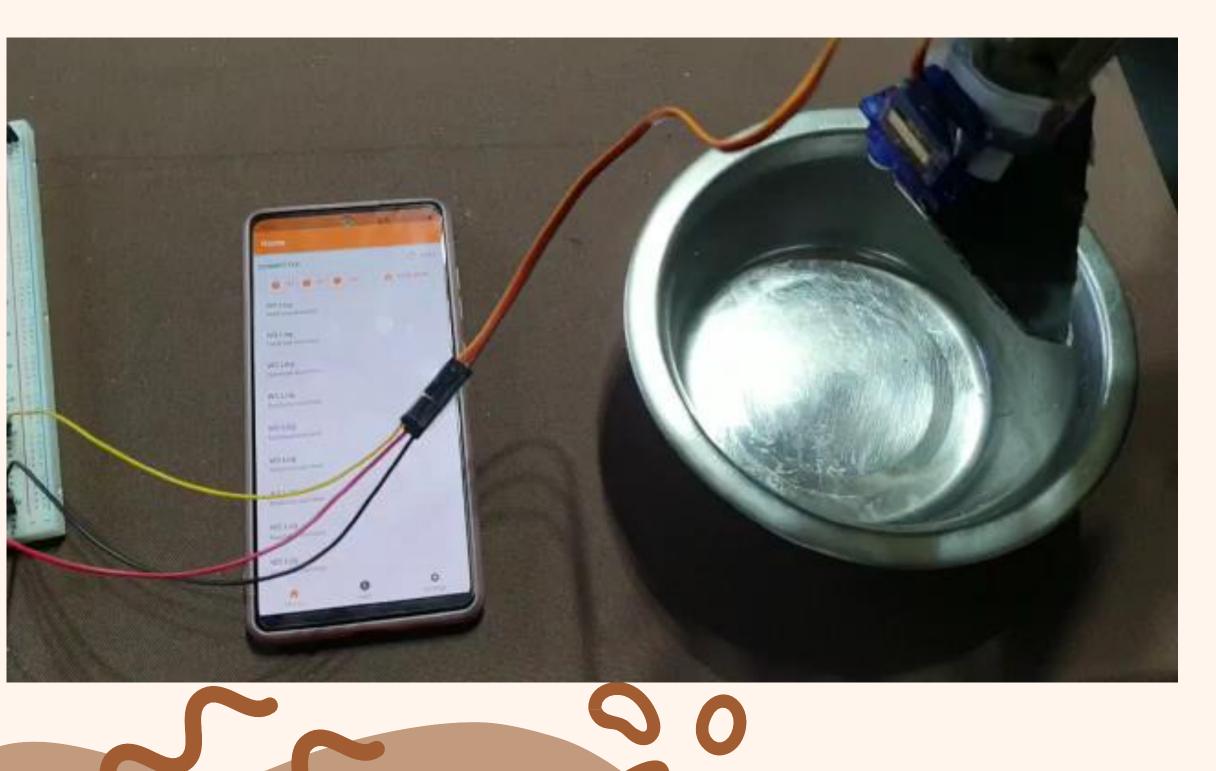






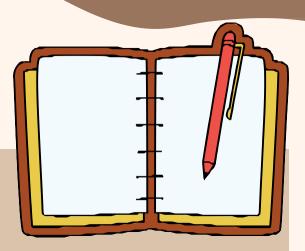


Demo





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