Automatic Fish Feeder Using Embedded C

```c
#include <Arduino.h>

// Define the pin connected to the motor driver
const int motorPin = 9;

// Define the feeding interval in seconds
const int feedingInterval = 3600; // 1 hour

// Define the feeding duration in milliseconds
const int feedingDuration = 500;

unsigned long lastFeedTime = 0;

void setup() {
  pinMode(motorPin, OUTPUT);
}

void loop() {
  unsigned long currentTime = millis();

  if (currentTime - lastFeedTime >= feedingInterval) {
    // Feed the fish
    digitalWrite(motorPin, HIGH); // Start the motor
    delay(feedingDuration);
    digitalWrite(motorPin, LOW); // Stop the motor

    lastFeedTime = currentTime;
  }
}
```