

UNIVERSITY OF CANBERRA

INTRODUCTION TO INFORMATION TECHNOLOGY (4478/8936)

Assignment 1: The Solving Problem Process.

Step 4: Implement the Solution (Word Coding)

BEGIN Automated Pet Feeder System

1. Read the time from the clock.
 2. IF the time is equal to 08:00 OR 17:00 THEN
 - a. Read the food bin sensor.
 - b. IF the food bin has food THEN
 - i. Rotate the servo motor for 4 seconds to dispense food into the bowl.
 - ii. Wait 60 minutes.
 - iii. Read the bowl weight sensor.
 - iv. IF the bowl weight has increased THEN
 - Output: Pet has eaten successfully.
 - END feeding cycle.
 - ELSE
 - Output: Send alert message "Food not eaten."
 - c. ELSE
 - Output: Send alert message "No food available in bin."
 3. ELSE
 - Do nothing and continue monitoring the clock.
 4. Repeat the process continuously.
- END Automated Pet Feeder System