

# "FOOD" TIME GUARDIAN - SMART INGREDIENT MANAGEMENT SYSTEM



## RESEARCH MOTIVATION

- Families often neglect food management due to busy schedules, leading to food waste.
- According to data from the Food and Agriculture Organization of the United Nations, global food waste is a serious problem.
- Reduce expired and discarded items, lower household expenses and environmental burden.

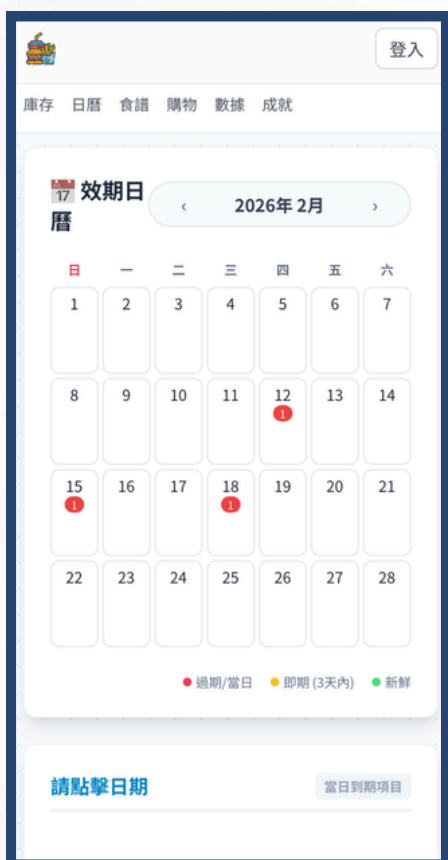


## MAIN FUNCTION

- AI Image Recognition (YOLOv8 Model)
- Recipe Recommendations (Turning Leftovers into Delicious Dishes)
- Cloud data synchronization (Firebase)
- LINE Bot Immediate Notice



## SYSTEM INTERFACE DISPLAY



Validity calendar



Food identification



Recipe matching



Vdata analysis