

# Food Lockers

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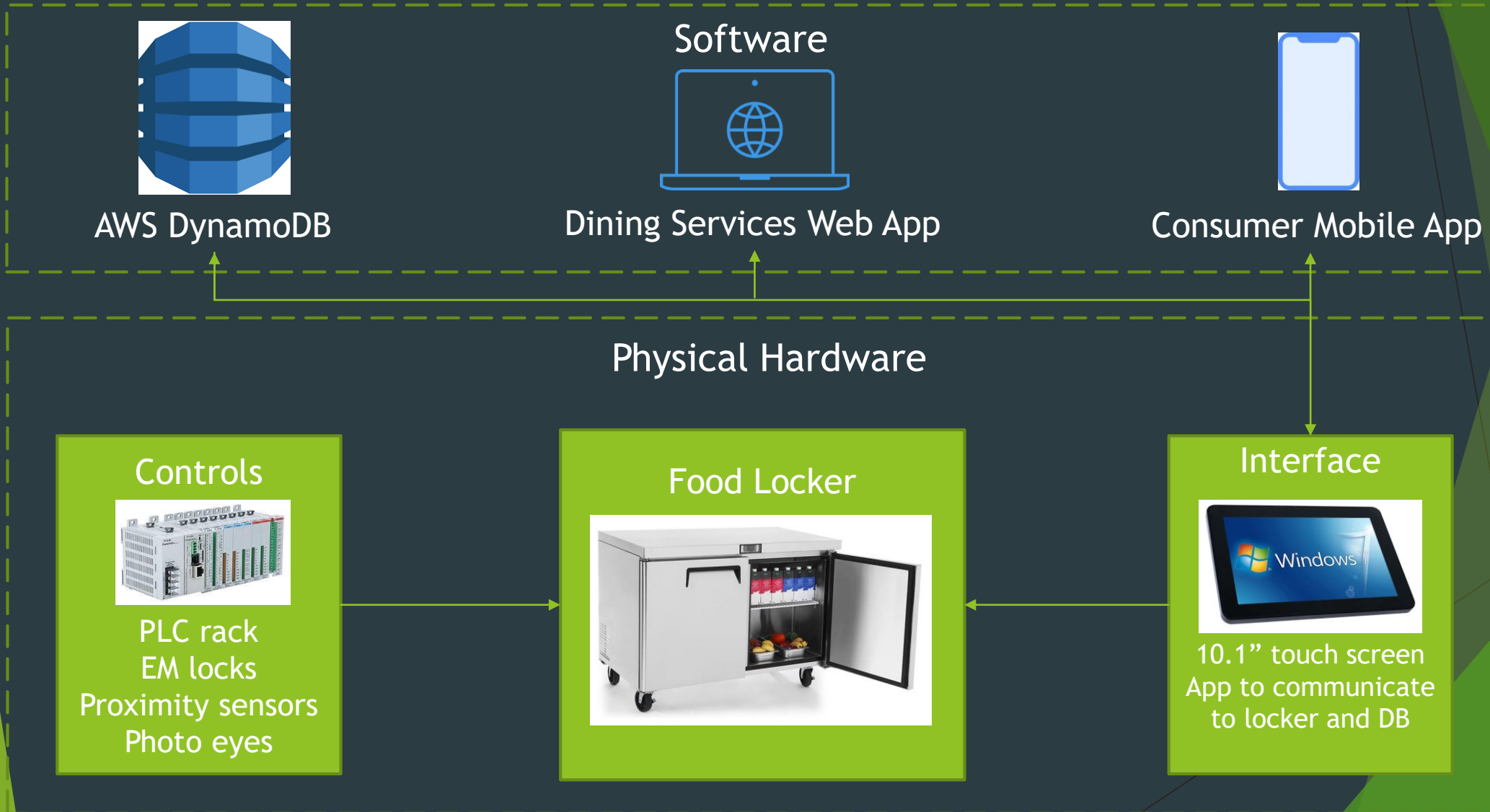
# Motivation

- ▶ Long dining lines on campus
- ▶ Dining services' locations close too early
- ▶ Automating daily tasks is the future

# Our Solution

- ▶ Design and fabricate a food locker that will vend food outside dining services' locations
- ▶ Features:
  - ▶ Modified commercial 4'x3'x3' undercounter refrigerator
  - ▶ Interior compartmentalized into 6 individual lockers by perforated stainless steel
  - ▶ 10.1" touch screen for consumers to interface with the locker and purchase meals
  - ▶ Mobile application to purchase meals within the locker on your phone
  - ▶ Automated checkout process that will vend the food to the customer

# Preliminary Design/System Overview



# Potential Benefits

- ▶ Increase availability to food among students who purchased the meal plan
- ▶ Provide a futuristic, unique dining option for busy individuals on campus
- ▶ Reduce food waste in the future
- ▶ Gather valuable data on the students' dining habits
- ▶ Provide the University with a new revenue stream