

# Catering System CRC model

# Employee

Parent  
Children

## Responsibilities

- Store name
- Store unique ID
- Store dates when an employee is assigned to an event (unavailable)
- Setter methods for availability
- Getters for everything above

## Collaborators

EmployeeManager

# Meal

Parent  
Children

## Responsibilities

- Stores meal type, number of employees needed per number of attendees, ingredients, price per person
- Getter/Setter methods for above

## Collaborators

Event

# Event

Parent  
Children

## Responsibilities

- Stores event name, date, number of attendees, location, meal type
- Stores list of employee IDs assigned to the event
- Calculates number of employees needed for the event
- Calculates and stores total price of catering
- Setter and getter methods for everything above
- toString() outputs a list of information regarding the event

## Collaborators

EventManager  
Meal

# EventManager

Parent  
Children

## Responsibilities

- Stores a list of all Events
- Methods to create modify, and cancel an event
- checkEvent method, which returns details about an Event

## Collaborators

Event  
CateringSystem

# EmployeeManager

Parent  
Children

## Responsibilities

- Store list of employees (by ID)
- Getter for employees available for a specific date
- Getter for employee based on their ID
- Assign employees to specific events and make them unavailable on that date
- Check if there are enough employees available for an event

## Collaborators

Employee  
CateringSystem

# CateringSystem

Parent  
Children

## Responsibilities

- Create EventManager and EmployeeManager on startup
- Receive event request from user, passes on to EventManager to create event
- Communicates between EmployeeManager and EventManager
- Communicates with user about acceptance of event request

## Collaborators

EmployeeManager  
EventManager

# CommandLine

Parent  
Children

## Responsibilities

- Receives and interprets text input from the keyboard
- Passes on commands to CateringSystem
- Outputs prompts and messages from CateringSystem to the console

## Collaborators

CateringSystem