Corner Cafe System

We will create a restaurant management system, based on casual dining restaurants focused on bakery/cafe and pastries. Additionally, to the normal classes that our system would require, we will be adding a Reward system to have our customers redeem points after purchasing other items, after spending a certain amount of money they will be able to redeem a $20 off purchase coupon for example. A staff scheduler for management to define what staff would be available that day and schedule upcoming weeks (Based on the available timeframe we could be integrating a PTO request system into the schedule). A weekly sales deal based on item and day of the week and which would randomize (Based on the available time frame we could integrate into inventory to determine sales based on an abundance of products for a given day/week).

Mandatory Classes

1) Restaurant - Main menu where staff select what window or access they need
2) Menu - Inventory of items, name, quantity, price, ingredients, addons.
3) Order - Selection of item, customization, tied to both menu and customer classes
4) Customer - Table+ID, meal, party size, allergies, additional requests, tips.
5) Staff - List off staff by name, availability, Staff+ID
6) Payment - Employee payment system.

Additional Custom Entities

1) Point/Rewards system
2) Staff Scheduler (Potential PTO system)
3) Sales/Deals by date
4) Inventory Alert System (if time allows)