

Mission 3: The Mess hall is a mess! (200 pts)

Affected Areas:

Food Management
Departments
Employees
Accounting

Problem: The accountants are not happy again. They are tired of tabulating the sales of all the restaurants by hand. Each register at each restaurant keeps track of its own sales data and it is not kept by a centralized database. It takes a lot of staff to count each register at the end of the night, and it is highly prone to human error. Furthermore, it is really hard to tell who is buying what and when as there are simply orders with a list of prices on each receipt.

The Accounting and Food Management departments have hired you to design a register system that keeps track of customer orders at each restaurant. They want to know, who bought (when possible), what was purchased, when it was purchased, and at what restaurant. Zippy Mouse himself has decided that the park should switch over to a new meal card system which guests will pre-load with money that can then be used to swipe at the various restaurants to eat.

When the new system is in place, the accounts are eager to use the new data to gain a new understanding of how the park food system works. They want several different views of the data and wish to be able to see sales from particular restaurants independent of the others. They also want to be able to see sales from particular customers for all of time. And most importantly, they want to be able to see how much of each item is sold at each restaurant so that they can inform the employees in charge of inventory what supplies need to be purchased. They also need an annual sales report to figure out which restaurant is the most profitable.