Prototype Hotel: The Crystal Palace

Functional requirements:

Reservation:

* Shall be able to book a reservation for a room for guests
  + A way to check if it conflicts with existing reservations
* Shall check the guest out
* Shall maintain a room services system
  + Shall generate invoices
  + Shall facilitate room service capabilities
  + Shall have price adjustment features (such as seasonal adjustments etc.)

Employees:

* Shall maintain a database of Employees
  + Shall have unique Employee IDs (primary key) that go with each appropriate action in this application
  + Shall have fitting employee attributes/values
  + Shall have access permissions within this software
  + Shall have a login system (that has a clock in/out function)
  + Shall (*possibly*) have a system to distribute tips among one or more employees

Administrative/Finances:

* Shall have a business report function
  + Shall have weekly/monthly report functions such as occupancy rate, revenue, inventory, etc.
* Shall have a way to manage inventory
  + Shall have a way to automatically show reminders for inventory that needs replenishing and where.
  + Shall have a way to automatically update inventory levels based on usage, mainly by housekeeping etc.