Project Requirements

Salon Spa Software System

Team Members:

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1. The project is to consist of a software system to be used in a hair salon, and is to be capable of handling all tasks needed by salon staff, including scheduling, inventory, and customer/employee information storage.
2. The project is to be completed by the end of the semester (3 May 2015).
3. The design is to be constructed with the understanding that the software is to be implemented in the Java programming language.
4. The design is to be constructed in a manner which allows for future modifications and additions, including but not limited to employee mobile phone capabilities, usability for nail salons and spas, inventory purchasing/restocking, salon layout management (to be used in connection with scheduling) and online reservation capabilities.
5. The software is to handle all scheduling related tasks, including but not limited to:
   1. Full Calendar Capabilities
   2. Employee Scheduling
      1. Input of employee availability
      2. Assignment of employee shifts
      3. Calendar view of employee schedule with all employees
      4. Calendar/list view of individual employee schedule
      5. Detail when employee is scheduled as present at salon in
   3. Customer Scheduling
      1. Input of customer appointment
      2. Recurring appointments in addition to when employee has appointments schedules
6. The software is to handle all inventory related tasks, including but not limited to:
   1. List of full salon inventory
      1. In store
      2. Out of stock
      3. Available at another location
7. The software is to handle all customer/employee information storage related tasks, including but not limited to:
   1. Employee information
      1. Contact information
      2. Payment information
      3. Notes
   2. Preferences
   3. Specialties
   4. Customer information
      1. Contact information
      2. Billing information
      3. Notes
8. Acceptance Criteria:
   1. Main Menu – View Calendar
      1. Client selects view calendar
      2. Program displays calendar for current week
      3. Client navigates between weeks using arrows
      4. Client selects back
      5. Program returns to Main Menu
   2. Main Menu – Make Appointment
      1. Client selects make appointment
      2. Program prompts for Appointment date
      3. Appointment start/end time
      4. Stylist name
      5. Customer name
         1. Client enters appointment information
         2. Client selects done
         3. Program prompts for confirmation
         4. Client confirms appointment
         5. Program adds appointment to calendar
         6. Program returns to Main Menu
   3. Main Menu – Cancel Appointment
      1. Client selects cancel appointment
      2. Program prompts for day of appointment to cancel
      3. Client enters day of appointment
      4. Program displays list of appointments scheduled on selected day
      5. Client selects appointment to be cancelled
      6. Program prompts for confirmation
      7. Client confirms cancellation
      8. Program removes appointment from calendar
      9. Program returns to Main Menu
   4. Main Menu – Schedule Employee Shift
      1. Client selects schedule employee shift
      2. Program prompts for Shift date, Shift start/end time, Employee name
      3. Client enters shift information
      4. Client selects done
      5. Program prompts for confirmation
      6. Client confirms shift information
      7. Program adds shift to calendar
      8. Program returns to Main Menu
   5. Main Menu – View Employee Schedule
      1. Client selects view employee schedule
      2. Program prompts for name of employee
      3. Client enters employee name
      4. Program displays schedule for selected employee
      5. Client selects done
      6. Program returns to Main Menu
   6. Main Menu – Add Customer
      1. Client selects add customer
      2. Program prompts for Customer name, address, phone number, email
      3. Client enters customer information
      4. Client selects done
      5. Program prompts for confirmation
      6. Client confirms customer information
      7. Program adds customer to database
      8. Program returns to customer Main Menu
   7. Main Menu – Add Employee
      1. Client selects add employee
      2. Program prompts for Employee name, address, phone number, email
      3. Client enters employee information
      4. Client selects done
      5. Program prompts for confirmation
      6. Client confirms employee information
      7. Program adds employee to database
      8. Program returns to employee Main Menu
9. Main Menu – View Inventory
   1. Client selects view inventory
   2. Program displays list of current inventory
   3. Client selects back
   4. Program returns to Main Menu
10. Inventory View – Update Inventory
    1. Client selects update inventory
    2. Program prompts for Product name, Updated inventory count
    3. Client enters product information
    4. Client selects done
    5. Program prompts for confirmation
    6. Client confirms product information
    7. Program updates inventory database
    8. Program returns to Inventory View
11. Main Menu – Customer Transaction
    1. Client selects customer transaction
    2. Program prompts for product/service name
    3. Client enters product/service name
    4. Program prompts for product/service price
    5. Client enters product/service price
    6. Program prompts for next product/service or complete
    7. Client selects complete transaction
    8. Program displays transaction total
    9. Program prompts for transaction, customer name or new customer, Payment type
    10. Client enters payment information
    11. Client selects done
    12. Program prompts for confirmation
    13. Client confirms payment information
    14. Program prints receipt to output
    15. Program updates store sales total += transaction total
    16. Program updates product inventory count -= number product sold
    17. Program returns to Main Menu