CSE 581

**Lab 1: In Class Design Lab**

**Purpose:**

Create a sample ER diagram for database design.

**Deliverables:**

A Microsoft Word or Visio drawing of the design. If you need to, a brief explanation of your design.[[1]](#footnote-1) I attached a template for one table and 3 relations, your design should follow this template: draw tables with table title, primary key(s), foreign key(s) and relationships (using connections) specified properly; you are also supposed to bold or indicate the required columns/fields for each table.

**Steps:**

1. Follow the steps described in class. Create a DB design for the business problem described below[[2]](#footnote-2). Explain your design choices. 1

*Consider a hair salon business. The owner wants to keep track of the customers, their appointments, employees that perform the haircuts/services, products that the salon sells and of actual sales (for both haircuts and the products).*

1. This is optional - at most, a paragraph or two - very short, only listing the **NON-obvious** choices. [↑](#footnote-ref-1)
2. Think about what data makes sense for the business problem and select the fields that make the most sense. Expected design scope is somewhere around 6-8 tables, 2-6 or so fields/table on average – your design does not need 100s of fields, but it does need to be able to function on its own. [↑](#footnote-ref-2)