

# CSCE 310 Group Final Project: Assembly Cuts

Thierry David

Josef Munduchirakal

Nitin Pendekanti

Charles Walker

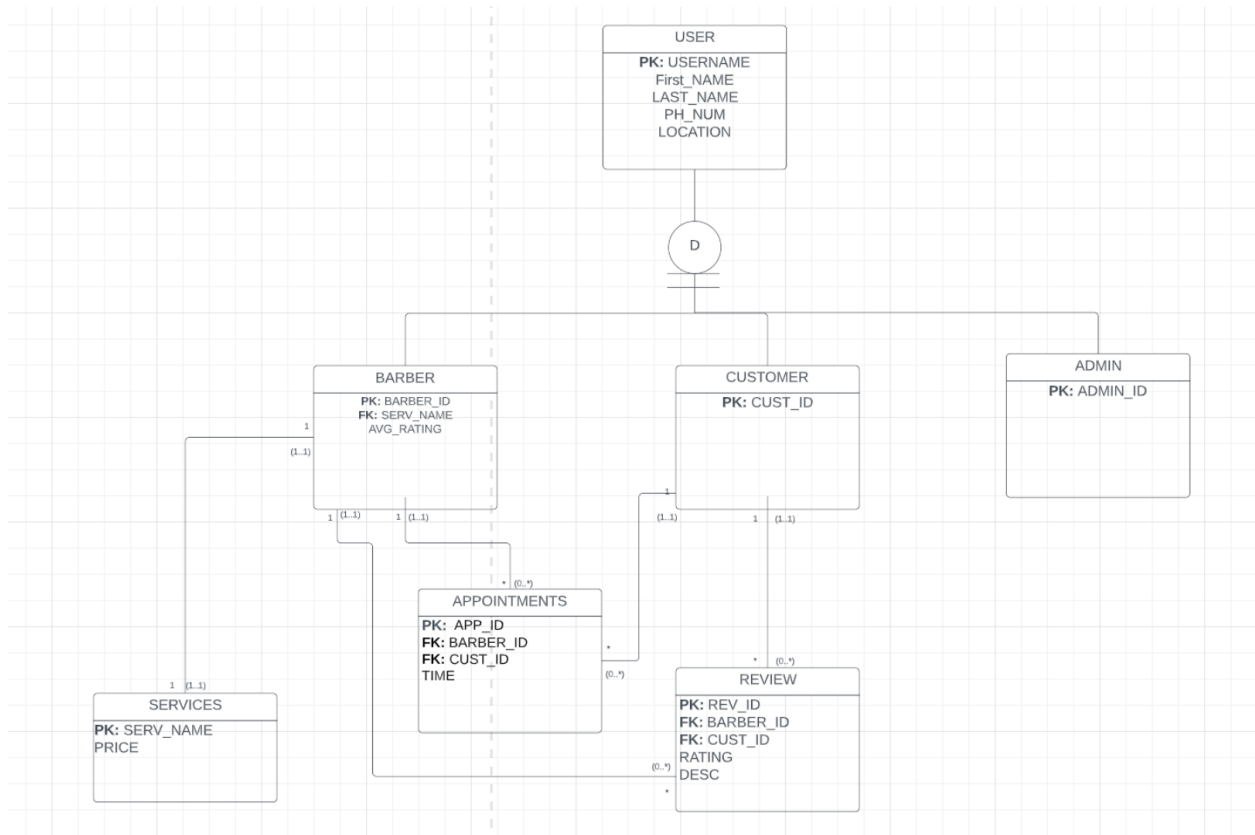
# Changes to the Project Design

Changes we made with our Project Design include:

- Adding a proper primary key to the SERVICES table called “SERV\_ID.”
- Adding a proper primary key for the USERS table called “USER\_ID.”
- Adding a primary and foreign key attribute, “USER\_ID” for each entity subtype (Admin, Customer, and Barber).
  - However, they will be **labeled** as BARBER\_ID, CUST\_ID, and ADMIN\_ID for distinction.
    - Especially whenever we are creating new review and appointment entries.
    - So, BARBER\_ID, CUST\_ID, and ADMIN\_ID are foreign keys to an entry in the USERS table.
  - “All entity subtypes inherit their primary key attribute from their supertype.”

These changes were made after graders’ review of our initial Final Project Database Design assignment.

This was our ERD before design changes:



This was our Normalization (in schema form) before design changes:

USER ( USERNAME, FIRST\_NAME, LAST\_NAME, PH\_NUM, LOCATION)

Partial Dependencies: N/A

Transitive Dependencies N/A

BARBER(BARBER\_ID, SERV\_NAME, AVG\_RATING)

Partial Dependencies: N/A

Transitive Dependencies N/A

CUSTOMER(CUSTOMER\_ID)

Partial Dependencies: N/A  
Transitive Dependencies N/A

ADMIN (ADMIN\_ID)

Partial Dependencies: N/A  
Transitive Dependencies N/A

SERVICES(SERV\_NAME, PRICE)

Partial Dependencies: N/A  
Transitive Dependencies N/A

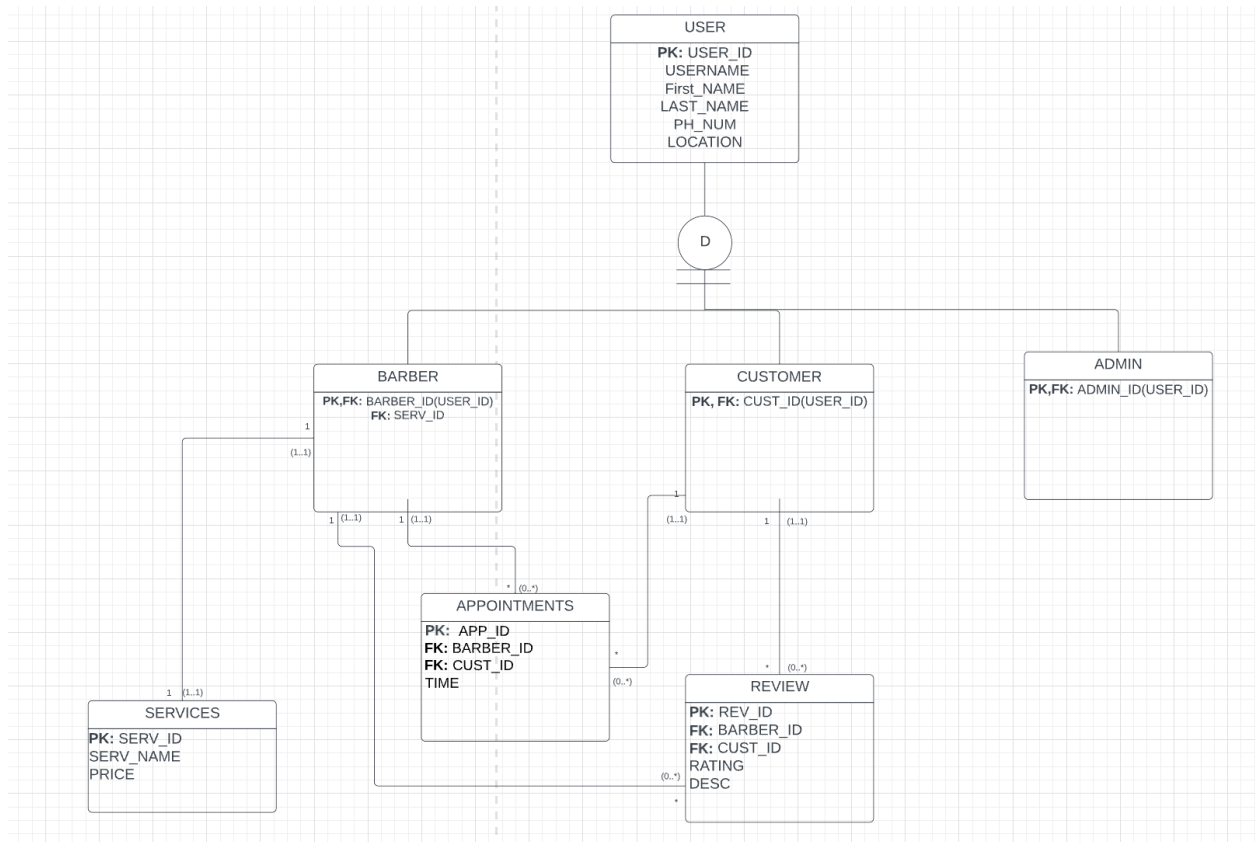
APPOINTMENTS(APP\_ID, BARBER\_ID, CUSTOMER\_ID, TIME)

Partial Dependencies: N/A  
Transitive Dependencies N/A

REVIEW(REV\_ID, BARBER\_ID, CUST\_ID, RATING, DESC)

Partial Dependencies: N/A  
Transitive Dependencies N/A

So after that design changes, our ERD now looks like this:



This was our Normalization (in schema form) after design changes:  
 USER (USER\_ID, USERNAME, FIRST\_NAME, LAST\_NAME, PH\_NUM, LOCATION)

Partial Dependencies: N/A  
 Transitive Dependencies N/A

BARBER(BARBER\_ID(USER\_ID), SERV\_ID)

Partial Dependencies: N/A  
 Transitive Dependencies N/A

CUSTOMER(CUST\_ID(USER\_ID))

Partial Dependencies: N/A  
 Transitive Dependencies N/A

ADMIN (ADMIN\_ID(USER\_ID))

Partial Dependencies: N/A  
Transitive Dependencies N/A

SERVICES(SERV\_ID, SERV\_NAME, PRICE)

Partial Dependencies: N/A  
Transitive Dependencies N/A

APPOINTMENTS(APP\_ID, BARBER\_ID, CUSTOMER\_ID, TIME)

Partial Dependencies: N/A  
Transitive Dependencies N/A

REVIEW(REV\_ID, BARBER\_ID, CUST\_ID, RATING, DESC)

Partial Dependencies: N/A  
Transitive Dependencies N/A

Our changes did not affect any connectivities or relationships.

# Project File Responsibilities

Below are the project files:

appointments/ - Thierry David

- CRUD functionality for scheduling

barber\_ratings/ - Josef Munduchirakal

database/ - Thierry David

- Includes the SQL file of our database

home/ - Nitin Pendekanti

- Includes files used for handling user account login, registration, etc.

my\_reviews/ - Josef Munduchirakal

- Includes files handling reviews CRUD functionality

our\_services/ - Charles Walker

- Includes files handling services CRUD functionality

Connection.php - Thierry David

Functions.php - ALL MEMBERS

appointments	added proper documentation to our files	4 minutes ago
barber_ratings	added proper documentation to our files	4 minutes ago
database	update prefilled data in database	yesterday
home	added proper documentation to our files	4 minutes ago
my_reviews	added proper documentation to our files	4 minutes ago
our_services	added proper documentation to our files	4 minutes ago
.DS_Store	update prefilled data in database	yesterday
README.md	Update README.md	14 hours ago
ServicesWIP.zip	added charles' work on the services functionality set. (charles and t...	yesterday
connection.php	added proper documentation to our files	4 minutes ago
functions.php	added proper documentation to our files	4 minutes ago

MORE INFORMATION regarding documentation for code are detailed in the files of the GitHub Repository.

# Functionalities Completed

## Functionality Set 1 (User Accounts): Nitin Pendekanti:

Created users CRUD functionality.

Admins, customers, and barbers can create, read, update, and delete account and account information.

Data stored with users:

- User\_id
- Username
- Password
- Phone number
- Location (state, city, zip)
- Type of user

## Functionality Set 2 (Scheduling/Appointments): Thierry David:

Created appointments CRUD functionality.

Admins can create, read, update, and delete any appointments.

Customers can create, read, update, and delete **their own** appointments.

Data stored with appointments:

- ID/Name of customer
- ID/Name of barber
- Type of service chosen
- Price of service
- Meeting time for appointment

## Functionality Set 3 (Services): Charles Walker:

Created services CRUD functionality.

Admins can create, read, update, and delete any service.

Customers can only view the services offered.

Data stored with services

- Service name
- Service price
- ID/Name of barber



## Functionality Set 4 (Reviews): Josef Munduchirakal:

Created Reviews CRUD functionality.

Customers can create, read, update, and delete **their own** reviews.

Admins can view, edit and delete **all** reviews.

Data stored with reviews

- Review ID
- Barber ID
- Customer ID
- Rating
- Description