P03-06h

SERVICE

PK	service_id
	price
	description

APPOINTMENT

PK,FK	Client_id
PK	date
	date
	time
FK	service_id
FK	stylist_id

SERVICE_PRICE

PK,FK PK	service_id start_date
	end_date
	price

be for
be for

have
be for

have
be with

have
be with

HAIRSTYLIST

PK	stylist_id
	first_name
	last_name
	last_name
UK	social_security_number
	salary
UK	mobile_number
UK	email
FK	supervisor_id

CLIENT

PK	client_id
	first_name
	last_name
UK	mobile_number
UK	email
	preferred_day
FK	preffered_stylist_id

CHAIR

PK	chair_id
FK	stylist_id
	month

be assigned
be assigned to
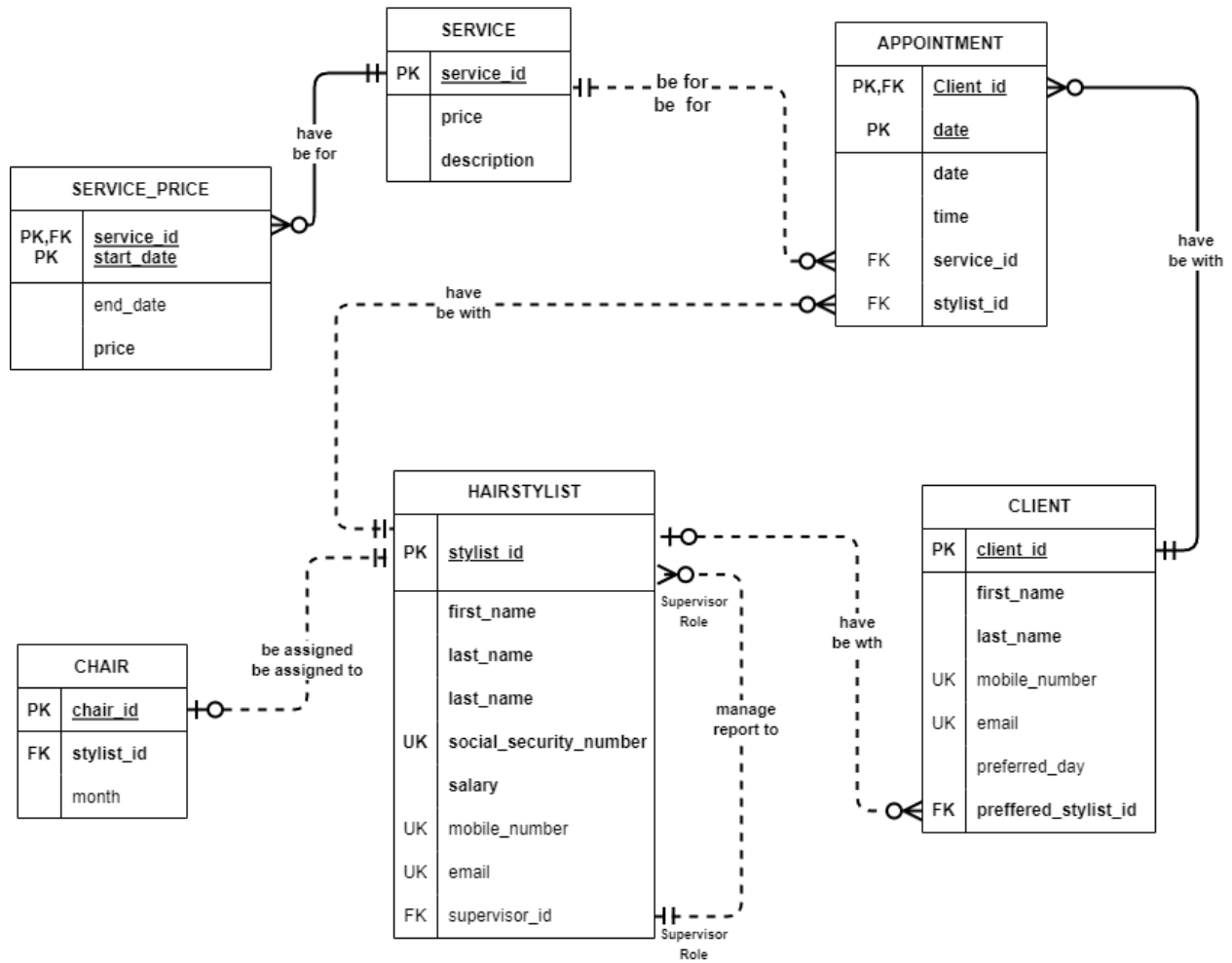
Supervisor
Role

manage
report to

Supervisor
Role

have
be wth

Each HAIRSTYLIST may be assigned to zero, one or more CLIENT.
Each CLIENT may be assigned zero or only one HAIRSTLIST.

Each HAIRSTYLIST may be assigned to zero or one CHAIR.
Each CHAIR must be assigned one and only one HAIRSTYLIST.

Each HAIRSTYLIST(Supervisor role) may manage zero, one or more Hairstylist(Stylist Role).
Each HAIRSTYLIST(Style Role) must report to one and only one HAIRSTYLIST(Supervisor Role).

Each HAIRSTYLIST may have zero, one or more APPOINMENT.
Each APPOINMENT must be with one and only one HAIRSTYLIST.

Each SERVICE may be for zero, one or more APPOINTMENT.
EACH APPOINTMENT must be for one and only one SERVICE.

Each SERVICE may be assigned to zero or one CHAIR.
Each CHAIR must have one and only one SERVICE.

Relational Database table of P0602

HAIRSTLIST					
Description	Key Type	Optionality	Column Name	Data Type	Length
Hairstylist ID	PK	*	Stylist_id	INTEGER	
Hairstylist First name		*	first_name	VARCHAR	30
Hairstylist Last name		*	last_name	VARCHAR	30
Hairstylist Social Security Number	UK	*	social_security_number	DECIMAL	9,0
Hairstylist Salary		*	Salary	DECIMAL	7,0
Hairstylist Mobile Number	UK	0	mobile_number	VARCHAR	15
Hairstylist Email	UK	0	Email	VARCHAR	255
Hairstylist Supervisor ID	FK	*	supervisor_id	INTEGER	

CLIENT					
Description	Key Type	Optionality	Column Name	Data Type	Length
Client ID	PK	*	client_id	INTEGER	
Client First Name		*	first_name	VARCHAR	30
Client Last name		*	last_name	VARCHAR	30
Client Mobile Number	UK	0	mobile_number	VARCHAR	15
Client Email	UK	0	email	VARCHAR	255
Client's Preferred Day		0	preferred_day	VARCHAR	10
Client's Preferred Hairstylist ID Person	FK	*	preffered_stylist_id	INTEGER	

CHAIR					
Description	Key Type	Optionality	Column Name	Data Type	Length
Chair Assigned ID	PK	*	chair_id	INTEGER	
Hairstylist ID	FK	*	stylist_id	INTEGER	
Recorded Month		0	Month	DATE	

APPOINTMENT					

Description	Key Type	Optionality	Column Name	Data Type	Length
Client ID	PK, FK	*	client_id	INTEGER	
Client Date	PK	*	date	DATE	
Client Appointment Time		*	time	TIME	
Service ID	FK	*	service_id	INTEGER	
Hairstylist ID	FK	*	stylist_id	INTEGER	

SERVICE					
Description	Key Type	Optionality	Column Name	Data Type	Length
Service ID	PK	*	service_id	INTEGER	
Service Price		*	price	DECIMAL	4,2
Service Description		*	description	VARCHAR	255

SERVICE_PRICE					
Description	Key Type	Optionality	Column Name	Data Type	Length
Service ID	PK, FK	*	service_id	INTEGER	
Start Date	PK	*	start_date	DATE	
End Date		0	start_date	DATE	
Service Price		*	price	DECIMAL	4,2

Foreign Key Relationship Mapping

HAIRSTYLIST

FK *supervisor_id* >> Supervisor Role

CLIENT

FK *prefeered_stylist_id* >> HAIRSTYLIST

CHAIR

FK *stylist_id* >> HAIRSTYLIST

APPOINTMENT

FK *client_id* >> CLIENT

FK *service_id* >> SERVICE

FK *stylist_id* >> HAIRTSTYLIST

SERVICE_PRICE

FK *service_id* >> SERVICE