

Database Design

1. **SERVICE** (SERVICE NAME, SERVICE DATE, START TIME, DURATION, DESCRIPTION)
2. **CREATE SERVICE** (SERVICE NAME, START TIME, DURATION, SERVICE DATE, DESCRIPTION)
3. **UPDATE SERVICE** (SERVICE NAME, START TIME, DURATION, SERVICE DATE)
4. **CANCELLATION OF APPOINTMENT** (SERVICE NAME, REASON)
5. **EMPLOYEE** (EMPLOYEE_ID, NAME, SPECIALIZATION, EMAIL, PHONE NUMBER)
6. **SERVICE AVAILABILITY** (AVAILABILITY, EMPLOYEE NAME, DATE, START TIME, END TIME)
7. **APPOINTMENTS** (APPOINTMENT_ID, CUSTOMER NAME, EMAIL, PHONE NUMBER, SERVICE NAME, DATE, START TIME, END TIME, STATUS)
8. **CREATE CONFIRMATION** (CONFIRMATION_ID, SERVICE NAME, SLOT, CONFIRMATION MESSAGE)
9. **APPROVAL CONFIRMATION** (SERVICE NAME, CONFIRMATION MESSAGE)
10. **SERVICE MANAGEMENT** (NAME, EMAIL, PHONE NUMBER, DESIGNATION, IS APPROVED)
11. **UPDATE CONFIRMATION** (SERVICE NAME, CONFIRMATION MESSAGE)
12. **CONFIRMATION OF CANCELLATION** (APPOINTMENT_ID, SERVICE NAME, CONFIRMATION MESSAGE)
13. **SLOTS** (AVAILABILITY, SLOT TIMINGS)
14. **SLOT BOOKING** (SLOT_ID, DATE OF BOOKING, BOOKING STATUS)
15. **CUSTOMER** (NAME, ADDRESS, PHONE NUMBER, AGE)
16. **EMAIL CONFIRMATION** (CUSTOMER NAME, DATE OF CONFIRMATION, SLOTS, SERVICE, STATUS, EMAIL BODY)
17. **CREDIT CARD** (CARD NUMBER, CARD TYPE, VALID THRU, CVV, CARDHOLDER NAME)
18. **PAYMENT** (CREDIT CARD NUMBER, PAYMENT ID, PAY DATE, TOTAL AMOUNT, AMOUNT PAID, ADDITIONAL CHARGES)
19. **PAYMENT PROCESSOR** (PAYMENT_ID, NAME, PHONE NO, CARD TYPE)
20. **CUSTOMER ACCOUNT** (USERNAME, PASSWORD, ACCOUNT STATUS, CREATION DATE, LAST LOGIN DATE)
21. **EMAIL CONFIRMATION** (DATE OF CONFIRMATION, STATUS, EMAIL BODY)
22. **APPOINTMENT CONFIRMATION** (DATE OF CONFIRMATION, CONFIRMATION MESSAGE)
23. **ACCOUNT CLOSURE** (CLOSING REASON, CLOSING DATE, FEEDBACK)
24. **REFUNDS** (APPOINTMENT CANCELLATION, TIME OF CANCELLATION, AMOUNT, MODE OF REFUND, DATE OF REFUND, TIME OF REFUND, REFUNDID)

PHYSICAL DESIGN

CREATE TABLE CUSTOMER

(CUSTOMER EMAIL CHAR (30) NOT NULL,
LASTNAME VARCHAR (20),
FIRSTNAME VARCHAR (20),
STREET_ADDRESS VARCHAR (30),
CITY VARCHAR (25),
STATE CHAR (2),
ZIP VARCHAR (9),
PHONE VARCHAR (15),
EMAIL VARCHAR (40)
PRIMARY KEY (CUSTOMER EMAIL))
INDEX NAME_INDEX ON CUSTOMER (LASTNAME)

CREATE TABLE ACCOUNT

```
(USERNAME          VARCHAR (30) NOT NULL,  
PASSWORD           VARCHAR (16) NOT NULL,  
CUSTOMER EMAIL     CHAR (30),  
DATE_CREATED       DATE,  
  
DATE_LAST_UPDATED  DATE,  
  
STATUS             CHAR (2),  
DATE_CLOSED        DATE,  
REASON_CLOSED      VARCHAR (120),  
DATE_TERMINATED    DATE,  
CUSTOMER_TERMINATING ACCOUNT CHAR (9),  
FOREIGN KEY (CUSTOMER EMAIL) REFERENCES CUSTOMER)
```

CREATE TABLE SERVICE

```
(SERVICE NAME      CHAR(12) NOT NULL,  
CATEGORY_ID        CHAR (4) NOT NULL,  
PRICE NUMBER (6,2),  
  
PRIMARY KEY (SERVICE NAME, CATEGORY_ID),  
FOREIGN KEY (SERVICE NAME)REFERENCES SERVICE,  
FOREIGN KEY (CATEGORY_ID) REFERENCES CATEGORY)
```

CREATE TABLE STAFF

(EMPLOYEE_ID CHAR (20),
EMPLOYEE NAME VARCHAR (30),
SPECIALIZATION CHAR (15),
PHONE NUMBER VARCHAR (10),
PRIMARY KEY(EMPLOYEE_ID))

CREATE TABLE PAYMENT

(CREDIT_CARD_NO CHAR (16) NOT NULL,
VALID_THRU DATE,
CVV_CODE CHAR (3) NOT NULL,
LASTNAME VARCHAR (20),
FIRSTNAME VARCHAR (20))