

## Database Tables (Schema Design)

**OwnerFiles Table:**

Column name	Data Type	Size	Constraints
Owner	Varchar2	30	Not Null and unique
Fname	Varchar2	50	Not Null
Skey	Varchar2	80	Not Null
Receiver	Varchar2	30	Not Null
Date0	Varchar2	25	Not Null

**Router Table:**

Column name	Data Type	Size	Constraints
Owner	Varchar2	30	Not Null and unique
Fname	Varchar2	50	Not Null
Skey	Varchar2	80	Not Null
Receiver	Varchar2	30	Not Null
Date0	Varchar2	25	Not Null

**GrayBox Table:**

Column name	Data Type	Size	Constraints
id	Integer		Foreign key
Owner	Varchar2	30	Not Null and Unique
fname	Varchar2	50	Not Null
skey	Varchar2	80	Not Null
date1	Varchar2	25	Not Null
Attacked	Varchar2	10	Not Null

**Attacker Table:**

Column name	Data Type	Size	Constraints
fname	Varchar2	50	Not Null
uname	Varchar2	30	Not Null
Fakesk	Varchar2	80	Not Null
dt	Varchar2	25	Not Null

**OwnerRegister Table:**

Column name	Data Type	Size	Constraints
name	Varchar2	30	Not Null and unique
Password_hash	Varchar2	45	Not Null
email	Varchar2	50	Not Null
company	Varchar2	45	Not Null
address	Varchar2	100	Not Null
PhoneNo	Varchar2	30	Not Null

**BlackBox Table:**

Column name	Data Type	Size	Constraints
id	Integer		Foriegn key
Owner	Varchar2	30	Not Null
Fname	Varchar2	50	Not Null
skey	Varchar2	80	Not Null
Date1	Varchar2	25	Not Null

**KeyServer Table:**

Column name	Data Type	Size	Constraints
Owner	Varchar2	30	Not Null and unique
fname	Varchar2	50	Not Null
skey	Varchar2	80	Not Null
receiver	Varchar2	30	Not Null
date	Varchar2	25	Not Null