

Data Structure / Data Types

USER TABLE

userId – integer, PK
fName - string
lName - string
email - string
phone - varChar
password - string
userType - string
active - boolean

*All users are stored on the **user table**. Upon sign-up the users will render on a 'user confirmation' page to be assigned by the manager. If a tenant the manager assigns them to a unit from the **Prop Unit Table**, If Tech the manager assigns them a set of skills from the **Skill Table***

SKILL TABLE

techId – integer, PK
userId – integer
plumbing – boolean
electrical – boolean
hvac – Boolean
appliances - boolean
general - boolean

PROPERTY UNIT TABLE

unitId – integer, PK
userId – integer
unitName - string

TICKET TABLE

ticketId – integer, PK
creationDate - date
category – string
subCategory – string
note – string
access – boolean
priority – string
status – string
assigned – Boolean
dueDate – date
accessDate – date
accessConfirm – boolean
maintNote – string

***Ticket Data Table** acts as a cross reference for all ticket entries. It ties the **ticket** to the **unit**, the **user** (at time of creation), and the **technician** (assigned to the ticket). This allows easy query for lists per tenant, per tech, or per unit.*

TICKET DATA TABLE

refId – integer, PK
ticket - integer
unitId – integer
userId – integer
techId – integer