**Salem**

**Event**

* event\_Id (**PRIMARY** INTEGER KEY)
* event\_title (Varchar(50))
* event\_description (Varchar(250))
* event \_Num\_of\_visiters (INTEGER)
* event \_Ticket\_price (decimal (2,2))
* event \_Event\_date (datetime)
* event\_in\_branch\_id (**FOREIGN** KEY references branch ID)

**Event attendant**

* event\_attendant\_id (**FOREIGN** KEY references Users actual ID)
* event \_attendant\_type (**FOREIGN** KEY references Users type (visitor,subscriber,special guest))
* event \_attendant\_event\_id (**FOREIGN** KEY references event actual id)
* event \_attendant\_discount (BOOLEAN)

**Special Guest**

* special\_guest\_id (**PRIMARY** INTEGER KEY)
* special\_guest\_name (varchar(50))
* special\_guest\_job\_title (varchar(50))

**Scheduled Business Meetings**

* meeting\_id (**PRIMARY** INTEGER KEY)
* meeting\_title (varchar(50))
* meeting\_description (varchar(250))
* meeting\_num\_of\_attendants (INTEGER)
* meeting\_date (datetime)

**Business Meetings attendants**

* business\_attendant\_id (**FOREIGN** KEY references attendant actual id)
* business \_attendant\_type (**FOREIGN** KEY references attendant type (Owner,Administrator,librarian))
* business \_attendant\_meeting\_id (**PRIMARY** KEY INTEGER)

**Category Specialization**

* category\_specialization\_id (**FOREIGN** KEY references id of vendor)
* category\_specialization\_category\_id (**FOREIGN** KEY references category\_id)

PRIMARY KEY (category\_specialization\_id, category\_specialization\_category\_id)

**Fawzy**

**Book**

* book\_id (**PRIMARY** KEY INTEGER)
* book\_title (varchar(50))
* book\_category\_id (**FOREIGN** KEY references category\_id)
* book\_language (varchar(50))
* book\_publication\_date (datetime)
* book\_author\_id (**FOREIGN** KEY references author\_id)
* book\_status (varchar(50)) (available or not)

**Category**

* category\_name (varchar(50))

**Author**

* author\_id (**PRIMARY** KEY INTEGER)
* author\_name (varchar(50))
* author\_num\_of\_published\_books (PRIMARY KEY INTEGER)

**Publisher**

* publisher\_id (**PRIMARY** KEY INTEGER)
* publisher\_name (varchar(50))
* publisher\_phone (varchar(50))
* publisher\_address (varchar(250))

**Requested books**

* requested\_book\_id (**FOREIGN** KEY references book\_id)
* requested\_book\_requests\_num (INTEGER)

**Youssef Saeed**

**Librarian**

* librarian\_email (**PIMARY** varchar(50))
* librarian\_name (varchar(50))
* librarian\_id (**PRIMARY** KEY INTEGER)
* librarian\_branch\_id (**FOREIGN** KEY references branch\_id)
* librarian\_salary (INTEGER)
* librarian\_hired\_date (datetime)
* librarian\_shift\_hours (VARCHAR) 🡪 **needs rethinking**

**Administrator**

* administrator\_email (**PRIMARY** varchar(50))
* administrator\_name (varchar(50))
* administrator\_id (**PRIMARY** KEY INTEGER)
* administrator\_branch\_id (**FOREIGN** KEY references branch\_id)
* administrator\_salary (INTEGER)
* administrator\_KPI (INTEGER) (to indicate the efficiency of the branch)

**Branch**

* branch\_id (**PRIMARY** KEY INTEGER)
* branch\_name (varchar(50))
* branch\_location (varchar(50))
* branch\_administrator\_id (**FOREIGN** KEY references administrator\_id)
* branch\_num\_of\_subscribers (INTEGER)
* branch\_num\_of\_staff (INTEGER)

**Vendor**

* vendor\_name (varchar(50))
* vendor\_id (**PRIMARY** KEY INTEGER)
* vendor\_email (**PRIMARY** varchar(50))

**Finance Records**

* finance\_records\_id (**PRIMARY** KEY INTEGER)
* finance\_records\_date (datetime)
* finance\_records\_value (INTEGER) ( + for income , - for outcome)