**Clients**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Validations** | **Description** |
| id | Number |  | Auto increment, unique, primary key |
| firstname | string |  |  |
| lastname | string |  |  |
| mobile | number |  |  |
| address | string |  |  |
| email | string | email |  |

* List of clients
* Collection name : clients

**Invoices**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Validations** | **Description** |
| id | Number |  | Auto increment, unique, primary key |
| firstname | string |  |  |
| lastname | string |  |  |
| mobile | number |  |  |
| address | string |  |  |
| email | string | email |  |

* List of invoices
* One client can have many invoices
* Collection name : invoices

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Validations** | **Description** |
| id | Number | Unique, not null | Auto increment, unique, primary key  1:M |
| firstname | string |  |  |
| lastname | string |  |  |
| mobile | number |  |  |
| address | string |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Validations** | **Description** |
| id | Number | Unique, not null | Auto increment, unique, primary key, 1:M |
| client\_id | string | Reference key from Clients collection | M:1 |
| due\_date | date | date |  |
| title | number | string |  |
| tax\_id | string | number | 1:1, reference key from taxes table |
| discount |  | float |  |
| summary |  | string |  |
| note |  | string |  |
| Terms\_and\_condition |  | string |  |
| status |  | Status, constant | Generated, sent,confirmed,paid,rejected |
| User\_Id |  | Reference key |  |
| total |  | float |  |

**Items of Invoice**

* List of items from invoice
* Collection name : invoice\_items
* Should we add another collection called “products” and give theirs id to this collection

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Validations** | **Description** |
| id | Number | Uniuq, not null | Auto increment, unique, primary key |
| Invoice\_id | number | Reference from invoices table |  |
| name | string |  |  |
| description | string |  |  |
| qty | integer |  |  |

**Payments**

* List of items from invoice
* Collection name : invoice\_items
* Should we add another collection called “products” and give their id to this collection

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Validations** | **Description** |
| id | Number | Uniuqe, not null | Auto increment, unique, primary key |
| Invoice\_id | number | Reference from invoices table | 1:1 |
| mode | string | constant |  |
| description | string |  |  |
| amount | string |  |  |
| Due\_date | date |  |  |

**Taxes**

* Containes tax types

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Validations** | **Description** |
| id | Number | Uniuqe, not null | Auto increment, unique, primary key |
| percentage | float | Can not negative, between 0-100 |  |
| description | string |  |  |