# USER MANAGEMENT

## Tables and relationships

### Principles

1. Basic System entities
   1. Accounts
   2. Roles
2. Basic real world Entities:
   1. Users
   2. Departments or Centres or Facilities
   3. Units(or divisions/sections)
   4. Designations and broad DesignationGroups (faculty, resident, engineering, sanitation, accounts, administration, etc)
3. Administering Real world entities
   1. Create Departments: Name, Abbreviation(Optional), Type (department, center, facility)
   2. Create Units for departments (Optionally)
   3. Create Designations
   4. Create Groups for deisgnations
4. Each Account Will Be Associated with ONE actual user
   1. One user may have multiple accounts for different purposes
5. Roles will be functional roles based on the application being used.
   1. One account can have many roles.
   2. The application functionality access will be given to accounts based on roles
6. User
   1. Each user will have one primary department, deisgnation
   2. One User many have many accounts / many usernames
   3. Each user must have an end\_date: expected date of completion / retiring
   4. On the end date, all accounts associated with the user will be deactovated
7. mas\_departments
   1. id PK
   2. Name
   3. Abbrv
   4. Type: dept / centre
8. mas\_units
   1. id
   2. department\_id – FK department.id
   3. name
   4. abbrv
   5. unit\_head – FK user.id
9. mas\_designations
   1. id
   2. name
   3. abbrv
10. mas\_designation\_groups
    1. id
    2. name: Faculty, resident, nursing,
11. mas\_buildings
    1. id
    2. name
    3. abbrv
12. mas\_roles
    1. id - PK
    2. name - Unique
13. Account
    1. id – PK
    2. username - Unique
    3. password
    4. user\_id -> Users.id
    5. created\_at
    6. created\_by
    7. deactivated - default = 0
    8. deactivated\_at
    9. deactivated\_by
14. Account\_role
    1. id - PK
    2. accounts\_id - FKey
    3. role\_id - FKey
15. User
    1. Id - PK
    2. fullname
    3. department - fKey
    4. designation – Fkey
    5. designation\_group – FKEY
    6. supervisor - fKey
    7. Mobile Number
    8. Email
    9. Mobile Number2
    10. Email2
    11. Mobile Number3
    12. Email3
    13. end\_date
16. User\_worksin
    1. id
    2. user\_id - fkey
    3. department\_id - fKey

## Routes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Route | Method | Request | Response | Detail |
| /login | post |  |  |  |
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