**Electronic Health Application Database Design:**

1. user\_type (static pre-populated)
   1. user\_type\_id (PK)
   2. user\_type\_name
2. gdpr\_request\_type (static pre-populated)
   1. gdpr\_request\_type\_id (PK)
   2. gdpr\_request\_type\_name
3. email\_audit\_type (static pre-populated)
   1. email\_audit\_type\_id (PK)
   2. email\_audit\_type\_name
4. user (partially prep-populated for Admin, Doctors, and Practitioners)
   1. user\_id (PK)
   2. user\_type\_id (FK)
   3. user\_name
   4. user\_email
   5. user\_password
   6. otp\_code
5. admin (static pre-populated)
   1. admin\_id (PK)
   2. user\_id (FK)
6. patient
   1. patient\_id (PK)
   2. user\_id (FK)
   3. patient\_address
   4. patient\_date\_of\_birth
7. doctor (static pre-populated)
   1. doctor\_id (PK)
   2. user\_id (FK)
   3. practice\_id (FK)
   4. doctor\_degree
   5. doctor\_speciality
8. practitioner (static pre-populated)
   1. practitioner\_id (PK)
   2. user\_id (FK)
   3. practice\_id (FK)
   4. practitioner\_degree
9. practice (static pre-populated)
   1. practice\_id (PK)
   2. practice\_name
   3. practice\_description
   4. practice\_address
   5. practice\_contact\_details
10. patient\_practice\_registration
    1. patient\_practice\_registration\_id (PK)
    2. patient\_id (FK)
    3. practice\_id (FK)
    4. registration\_date
    5. request\_status
11. appointment\_booking
    1. appointment\_booking\_id (PK)
    2. patient\_practice\_registration\_id (FK)
    3. practitioner\_id (FK)
    4. doctor\_id (FK)
    5. appointment\_details
    6. appointment\_status
    7. practitioner\_feedback
    8. appointment\_date
    9. referred\_doctor\_id (FK)
12. medical\_history
    1. medical\_history\_id (PK)
    2. appointment\_booking\_id (FK)
    3. medical\_history\_details
    4. medical\_history\_date
13. prescription
    1. prescription\_id (PK)
    2. appointment\_booking\_id (FK)
    3. prescription\_details
    4. prescription\_date
14. ordered\_test
    1. ordered\_test\_id (PK)
    2. appointment\_booking\_id (FK)
    3. ordered\_test\_details
    4. ordered\_test\_date
15. specialist\_referral
    1. specialist\_referral\_id (PK)
    2. appointment\_booking\_id (FK)
    3. referred\_doctor\_id (FK)
    4. specialist\_referral\_details
    5. specialist\_referral\_date
16. gdpr\_request
    1. gdpr\_request\_id (PK)
    2. user\_id (FK)
    3. gdpr\_request\_type\_id (FK)
    4. gdpr\_status
17. email\_audit
    1. email\_audit\_id (PK)
    2. email\_audit\_type\_id (FK)
    3. email\_sender\_id (FK to user Table)
    4. email\_recipient\_id (FK to user Table)
    5. email\_subject
    6. email\_message