

Databases

I. Users

- A. **id** - primary key
- B. **username** - 6-15 alphanumeric characters (not case sensitive)
- C. **password_salt** - 256 bits (32 bytes), random generated using [CSPRNG](#)
- D. **password_hash** - 256 bits, calculated by sha256(salt+password)
- E. **ip_address** - last known ip_address
- F. **login_hash** - 256 bits (32 bytes), random generated using [CSPRNG](#) (default value = '0'*64 char)
- G. **last_access** - 50 characters max, python formatted timestamp, default value arbitrary date and time in the year 2000
- H. **access_level** - list: readonly, readwrite, admin

II. Medical Profiles

- A. **firstname** - 1-25 alphanumeric characters; store as case sensitive, search by case-insensitive
- B. **lastname** - 1-25 alphanumeric characters; store as case sensitive, search by case-insensitive
- C. **bloodtype** - list: O+, O-, A+, A-, B+, B-, AB+, AB-
- D. **allergies** - 0-500 alphanumeric+sign characters
- E. **ICE contact** (In Case of Emergency)
 - i. **firstname** - 1-25 alphanumeric characters
 - ii. **lastname** - 1-25 alphanumeric characters
 - iii. **phone** - 10 digits
- F. **PCP** (Primary Care Physician)
 - i. **firstname** - 1-25 alphanumeric characters
 - ii. **lastname** - 1-25 alphanumeric characters
 - iii. **phone** - 10 digits
- G. **notes** - 0-3000 characters