### ERD / DB DIAGRAM

### FUNCTION

### USECASE LIST

### UI (FRONT END)

### Technical Requirements

### Login

T1 Username - must not be empty.  
T2 Username - must be a valid email address.  
T3 Username - must not contain invalid special characters.  
T4 Username - must not exceed 256 characters.

T5 Username - first character cannot have space

T6 Password - must not be empty.  
T7 Password - must be at least 8 characters long.  
T8 Password - must contain at least one uppercase letter.  
T9 Password - must contain at least one lowercase letter.  
T10 Password - must contain at least one number.  
T11 Password - must contain at least one special character.

### Register

T12 Full Name - must not be empty.  
T13 Full Name - must not contain numbers.  
T14 Full Name - must not contain special characters (except spaces, hyphens, and apostrophes).  
T15 Full Name - must not exceed 50 characters.

T16 Phone Number - must not be empty.  
T17 Phone Number - must contain only digits.  
T18 Phone Number - must be exactly 10 digits long.  
T19 Phone Number - must not start with a 0.

T20 Email - must not be empty.  
T21 Email - must be a valid email address.  
T22 Email - must not contain invalid special characters.  
T23 Email - must not exceed 256 characters.

T24 Password - must not be empty.  
T25 Password - must be at least 8 characters long.  
T26 Password - must contain at least one uppercase letter.  
T27 Password - must contain at least one lowercase letter.  
T28 Password - must contain at least one number.  
T29 Password - must contain at least one special character.  
T30 Password - must not exceed 64 characters.

T31 Confirm Password - must not be empty.  
T32 Confirm Password - must match the Password field.

### SCREEN FLOW

### BUSINESS RULES