# Business Rules for Sign Up Form Fields

## User Name

* 1. **Format**
     1. At least 6 characters.
     2. A maximum of 20 characters.
     3. Can only contain letters from the basic Latin alphabet, numbers, dashes (-) and underscores (\_).
     4. Letters are not case sensitive
  2. **Re-use**
     1. The username shall not match any other registered username for that community.
  3. **Examples**
     1. Firstuser
     2. 2ndUser
     3. 3rd-user
     4. Fourth\_User
  4. **REGEX**
     1. /^[A-z0-9\_-]{8,20}$/

## First Name

* 1. **Format**
     1. At least 2 characters.
     2. A maximum of 32 characters.
     3. Can only contain letters from the basic Latin alphabet and dashes (-).
     4. The first letter will be capitalised even if it is not entered as such.
  2. **Examples**
     1. Bo
     2. Maggie-Ella
  3. **REGEX**
     1. /^[A-z-]{2,32}$/

## Last Name

* 1. **Format**
     1. At least 2 characters.
     2. A maximum of 32 characters.
     3. Can only contain letters from the basic Latin alphabet, dashes (-), spaces and(‘)
     4. The first letter will be capitalised even if it is not entered as such.
  2. **Examples**
     1. Li
     2. De Rolo
     3. Balakrishnan
     4. Jones-Smith
     5. D’Angelo
  3. **REGEX**
     1. /^[A-z’-]{2,32}$/

## Email Address

* 1. **Format**
     1. At least one character followed by (@) followed by at least one character that is not (.), followed by (.), followed by at least one character.
     2. Can not start with a number.
     3. Characters preceding “@” can be letters from the basic Latin alphabet, numbers and any of (!#$%&\_-)
  2. **Re-use**
     1. The Email address shall not match the Email address of any other registered user.
  3. **Examples**
     1. a@b.com
     2. [a.b@c.](mailto:a.b@c.d)com
     3. a@b.com.au
  4. **REGEX**
     1. /^[^0-9][A-z0-9\_-!#$%&]+([.][A-z0-9\_-!#$%&]+)\*[@][A-z0-9\_]+([.][A-z0-9\_]+)\*[.][A-z]{2,4}$/

## Password

* 1. **Format**
     1. At least 8 characters.
     2. A maximum of 32 characters.
     3. Must contain at least one capital letter.
     4. Must contain at least one number.
     5. No spaces.
     6. May contain (!#$%&'\*+/=?^\_`{|}~-.)
     7. Must not contain the username.
     8. Must not contain first or last name
  2. **Examples**
     1. Dragon36
     2. t!efL1ng
  3. REGEX
     1. This covers Format i)ii)iii)iv)v)vi) /^(?=.\*\d)(?=.\*[a-z])(?=.\*[A-Z])(?!.\*\s).{8,32}$/
     2. This covers Format vii) & viii) /^((?!username|firstname|lastname).)\*$/

## Date of birth

* 1. **Format**
     1. dd-mm-yyyy
     2. Where day or month is a single digit it shall be preceded by 0.
     3. Digits only. No month names.
  2. **Examples**
     1. 28-05-1945
     2. 09-05-2019
  3. REGEX
     1. /^(?:0[1-9]|1[0-9]|2[0-9]|3[01])-(?:0[0-9]|1[012])-(?:[12][09]\d\d)$/