Sequence Diagram: Registration Activity

NOTE:
We are calling the user table from DB Mgr

<< Singleton>>

:RegistrationActivityGUI   :RegistrationActivityController   :DBMgr   user: USER   msg: MSG

System User

<<fname, lname, uname, password, conform password, email, phone, street address, city, state, zipcode, role >>

msg := Insert(fname: String, lname: String, uname: String, password: String, conform password: String, email: String, phone: String, street address: String, city: String, state: String, zipcode: Integer, role: String)

user := getUser
(fname: String, lname: String, uname: String, password: String, conform password: String, email: String, phone: String, street address: String, city: String, state: String, zipcode: Integer, role: String): USER

NOTE:
All the related toast messages will appear on the GUI for the user as type :MSG

alt

[username.equals(NULL) || password.equals(NULL) || confirm_password.equals(NULL)]

"Fields Required": MSG

[else]

    alt

    user := getUser(email):User

    [Password == Password Conformation]

      alt

      [email == NULL]

      boolean

      [else]

        alt

        [user does not exist]

        Insert (fname: String, lname: String, uname: String, password: String, conform password: String, email: String, phone: String, street address: String, city: String, state: String, zipcode: Integer, role: String): USER

          opt

          [insert==True]

          " Registered ": MSG

        [else]

        "Username already taken": MSG

    [else]

    "Password does not match": MSG