

Team Big Data

U-tification

Low Level Design Registration Failures

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Team Leader: Joseph Armas

Team Members: Joshua Gherman

Rhoy Oviedo

Frank Curry

Ghabrille Ampo

David DeGirolamo

Git Repository: <https://github.com/JosephArmas/cecs-491A-Team-Big-Data>

Version History

Current Version: V3

CHANGES:

- Modified
 - Removed Logging failure and success
 - Registration Failure:
 - General in all sequence diagrams:
 - Manager -> Registration Manager
 - Services -> Registration Services
 - DataStore -> MySQL
 - Https response/request from UI to Entry point
 - Datatypes return int
 - Datastore returns a byte
 - Added objective, database structure
 - Active Session
 - Swap UI and Security - checks for cookies
 - Email Exist
 - Fetch() -> EmailExist()
 - Added Email Null Sequence diagram
 - Different view
 - Removed entry point and manager
 - Added to check view in UI
 - Returns int datatype
 - Unable to give system wide username
 - Return False -> return 1
 - Method change: fetch () -> EmailExit()
 - Username exist
 - Added methods:
 - genUsername()
 - UserExist()
 - getUsername()
 - searchUser()

Previous Versions: V2, V1

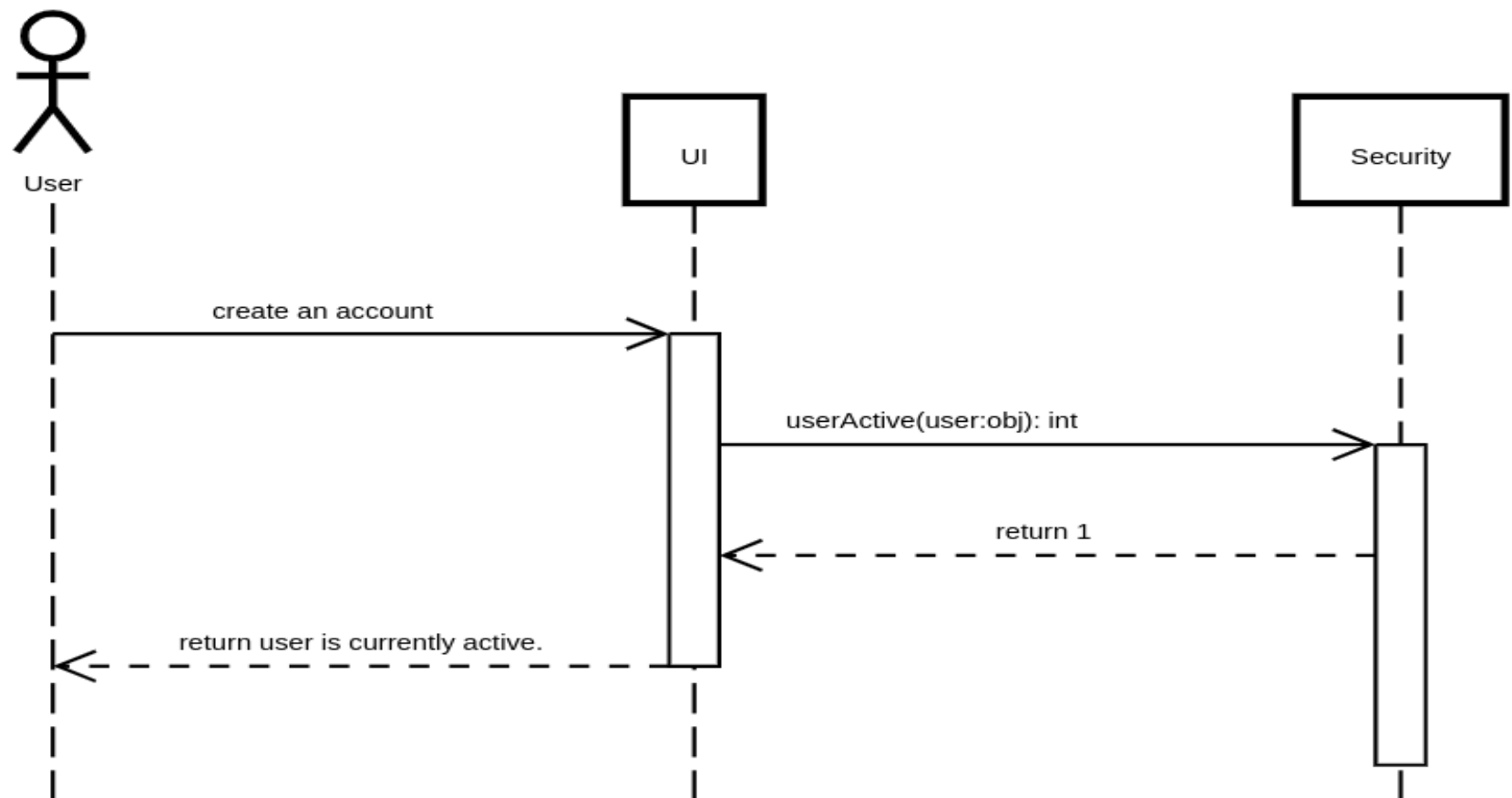
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Active Session

- Objective is to check with the security layer if a cookie is active. It will notify the user and give the option to logout to continue registration.

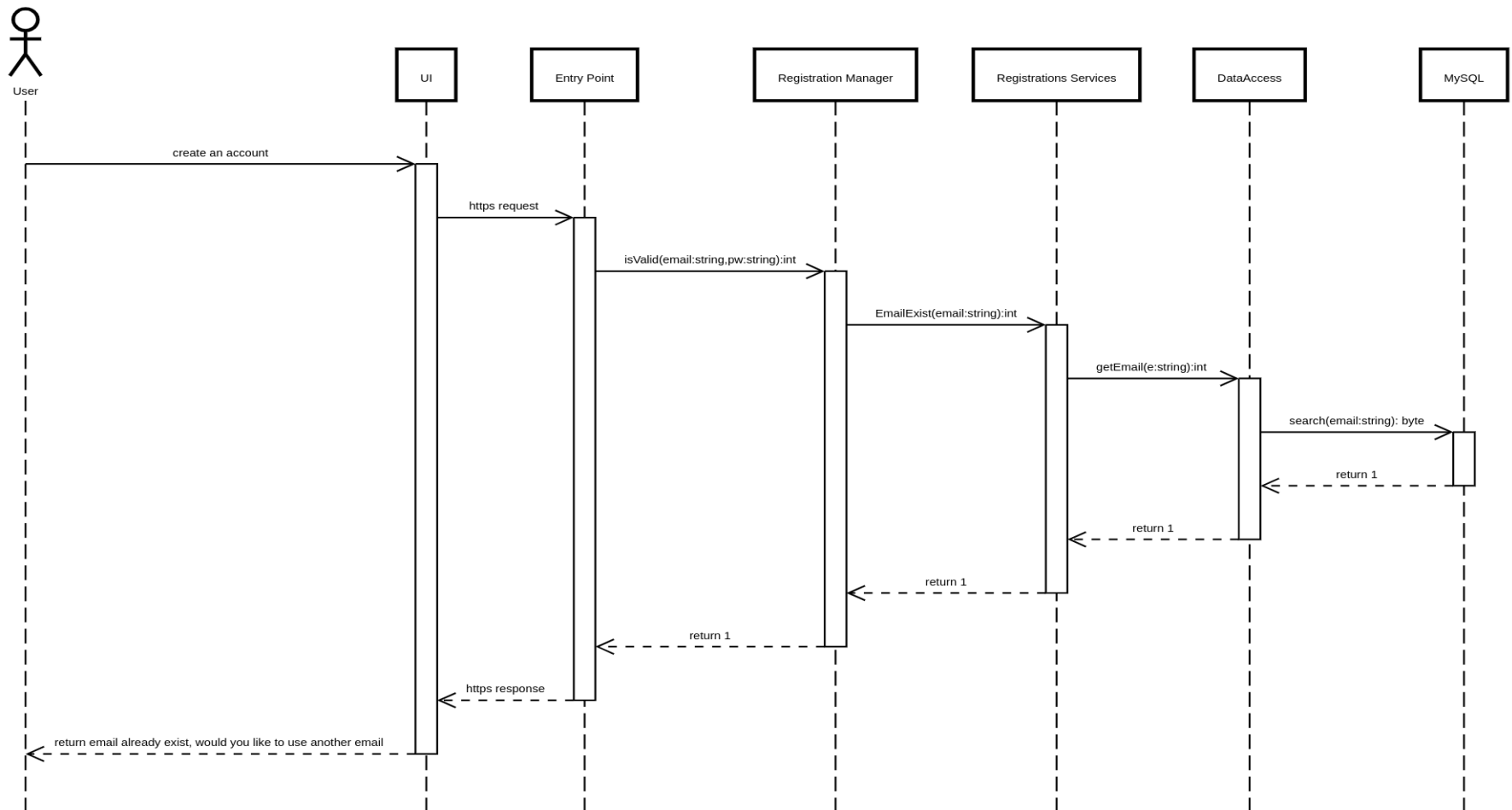
As a user I cannot register to create an account if there exist an active session



Email Exist

- Objective: Flow from user's interaction in the Ui towards the back end to check in Mysql database if email exist, if it does it gives user the option to input another email
- MySQL database: Each row will have imputed emails. Email column is primary key to prevent inputting the same email

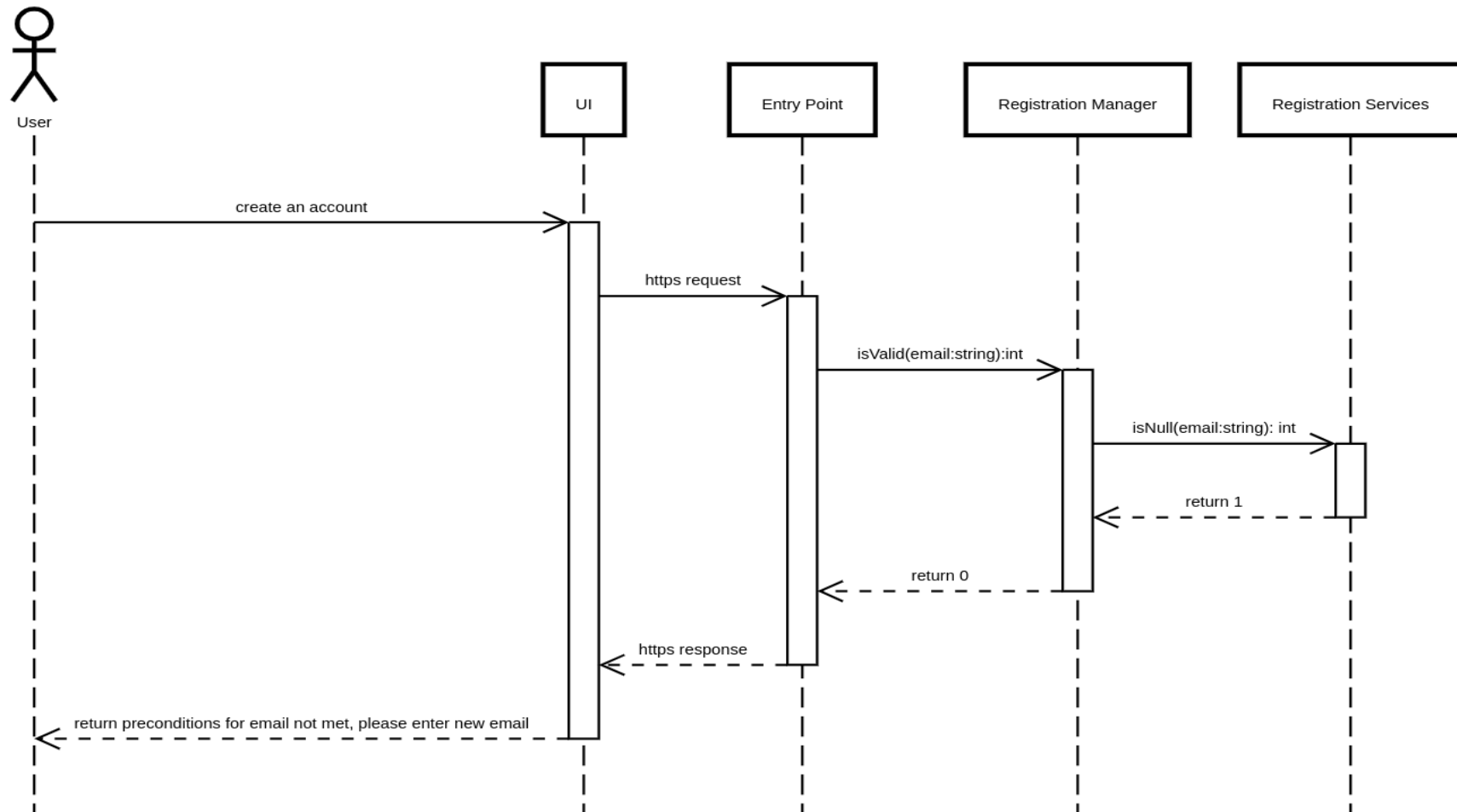
As a user I cannot register to create an account with an existing email



Email input Null

- Objective: catch when a user inputs a null value as an email and will return to the user that preconditions are not met and have the option to re-enter another email.

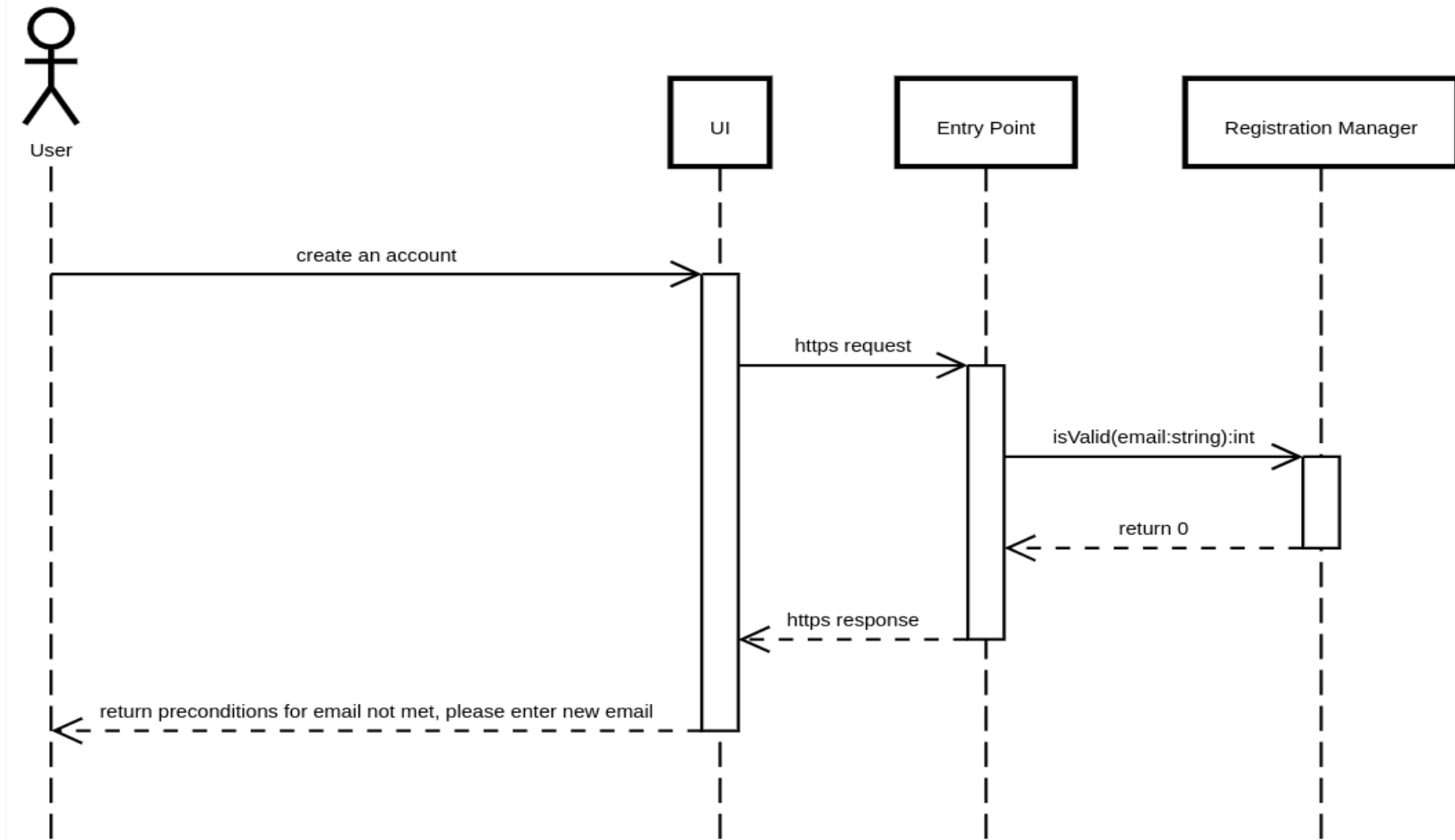
As a user I cannot reister to create an account inserting a null string



Invalid Email

- Objective: catch when a user inputs an email that does not satisfy preconditions and gives a chance to input another email

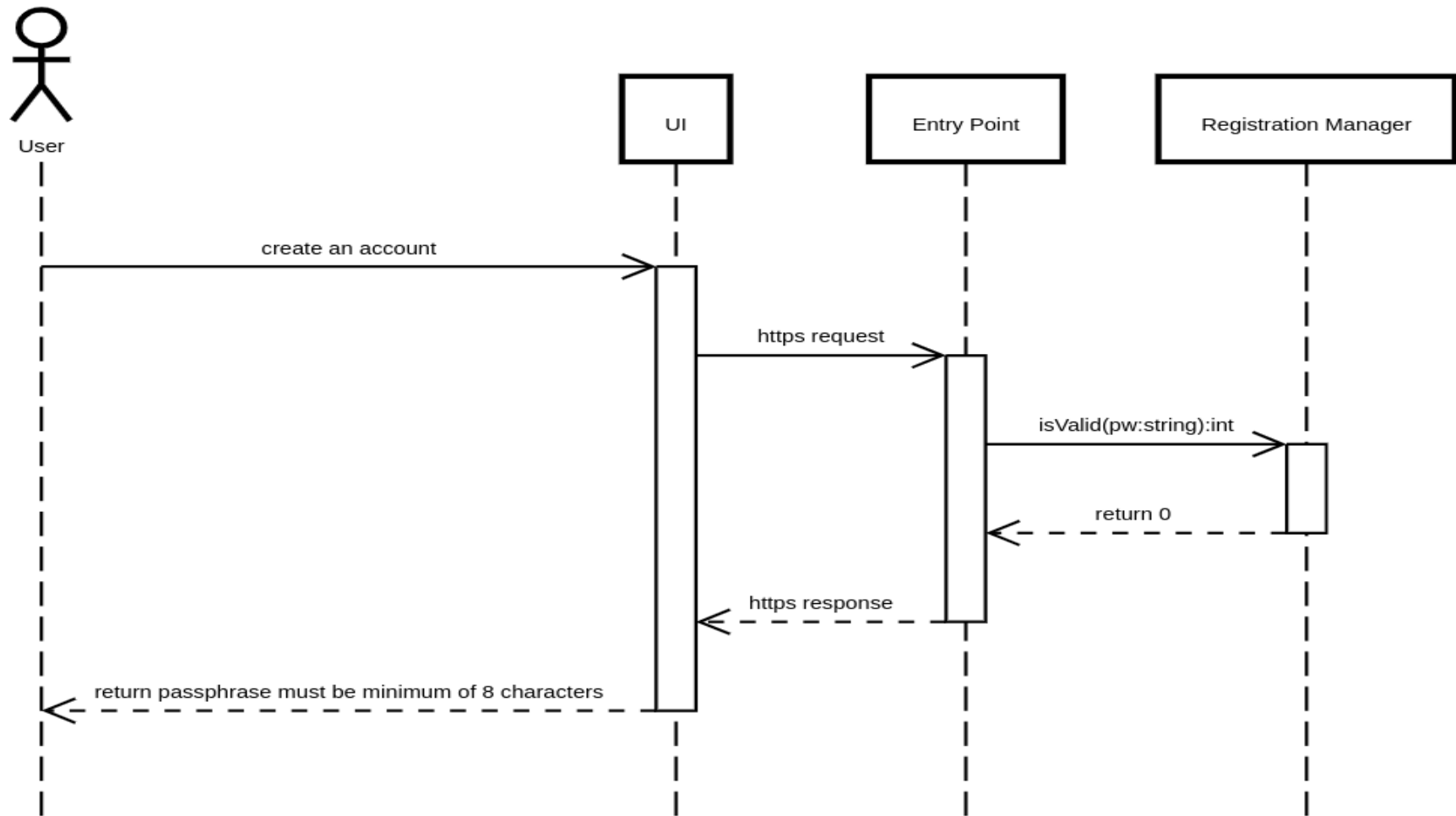
As a user I cannot reister to create an account without a valid email



Passphrase not meet password length

- Objective: catch when a user inputs a passphrase that does not meet minimum password length and output to the user the minimum passphrase length

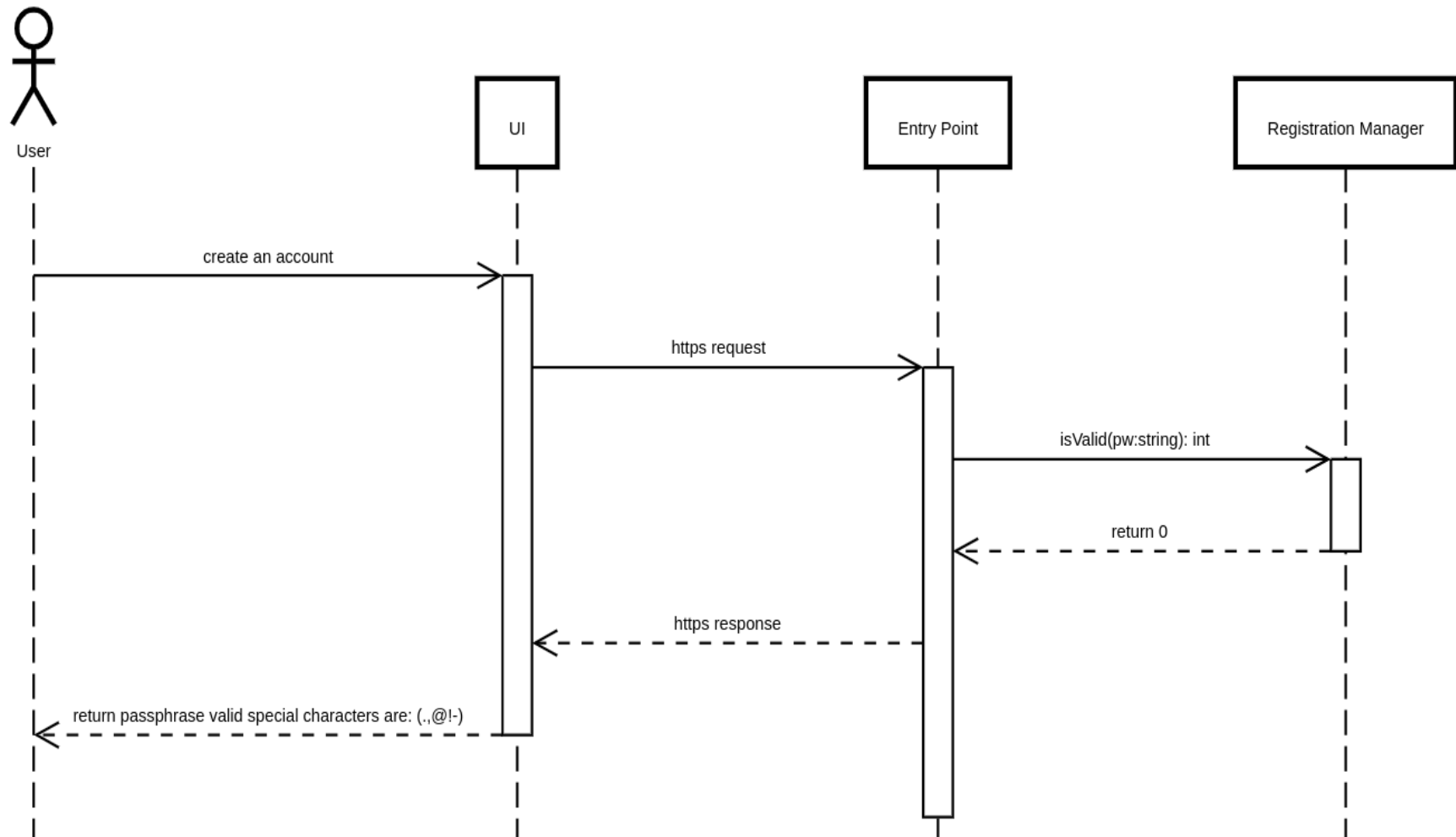
As a user I cannot register to create an account with a passphrase of length less than 8



Passphrase out the scope of special characters

- Objective: catch the error when a user inputs special characters that is out of the scope of the business requirements

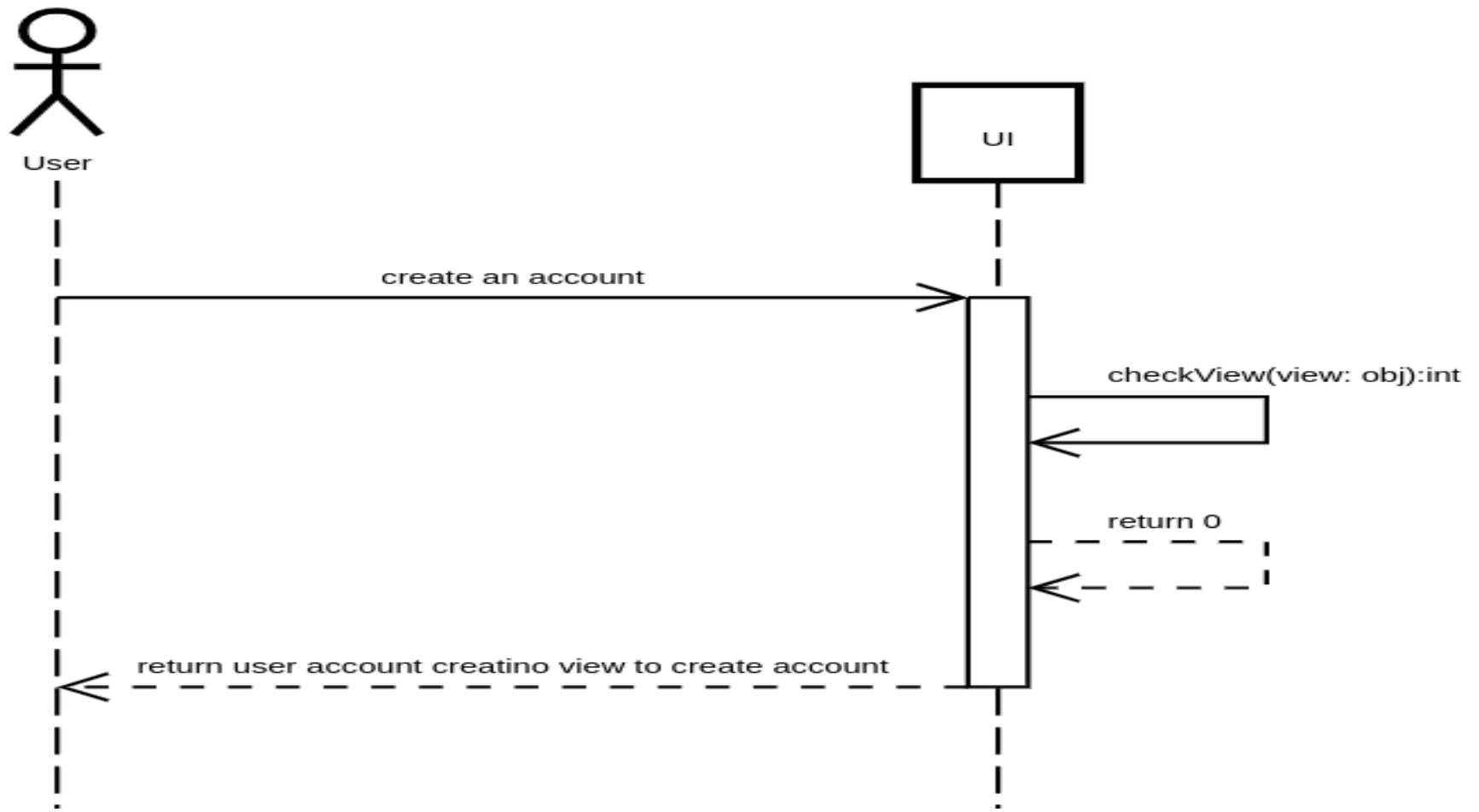
As a user I cannot register to create an account with a passphrase that consist with special characters out of the scope requirements



Different View

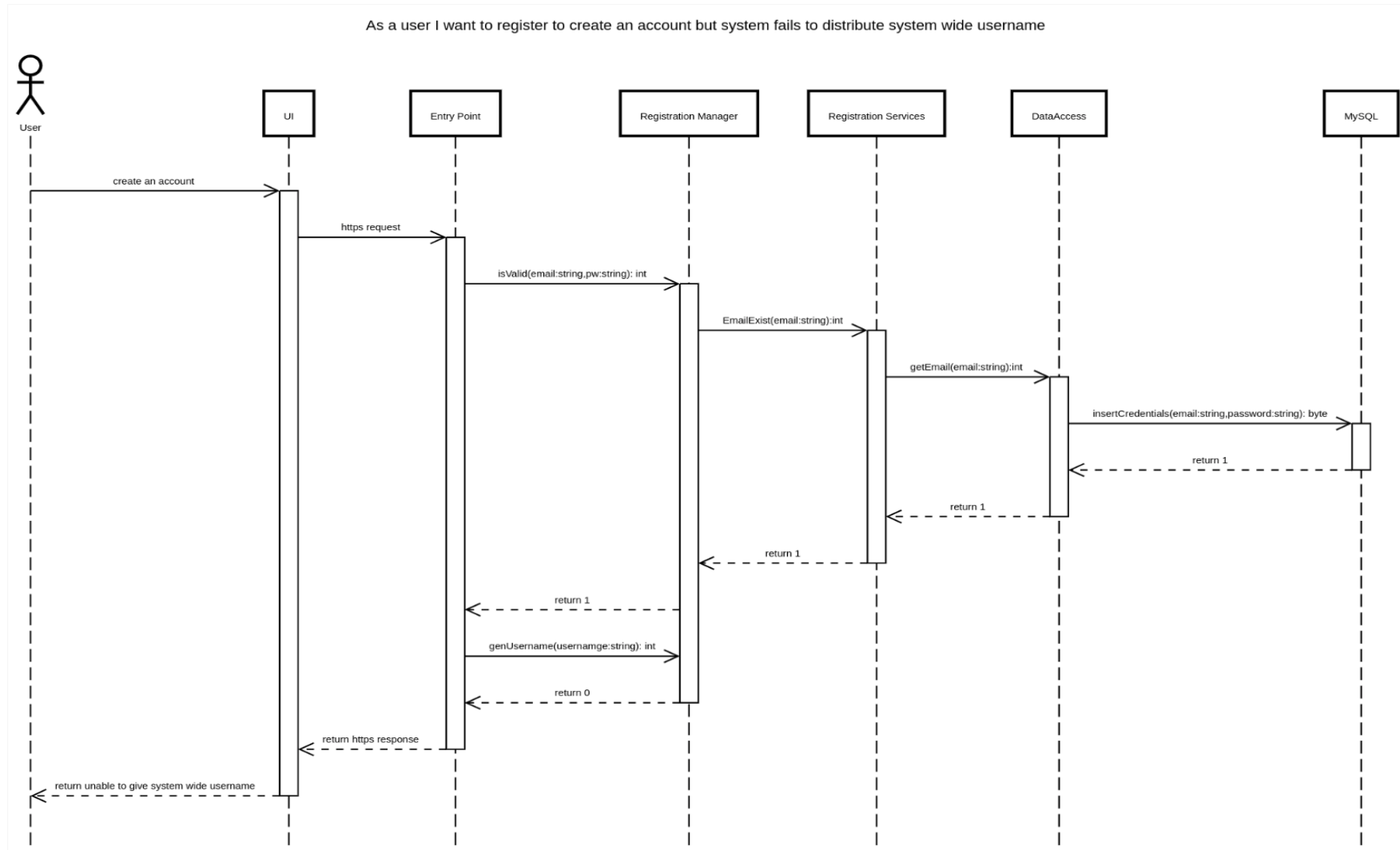
- Objective: catches when a user tries to create an account in a different view, and will notify user to switch view to continue registration

As a user I cannot register to create an account in a different view



Unable to give system wide username

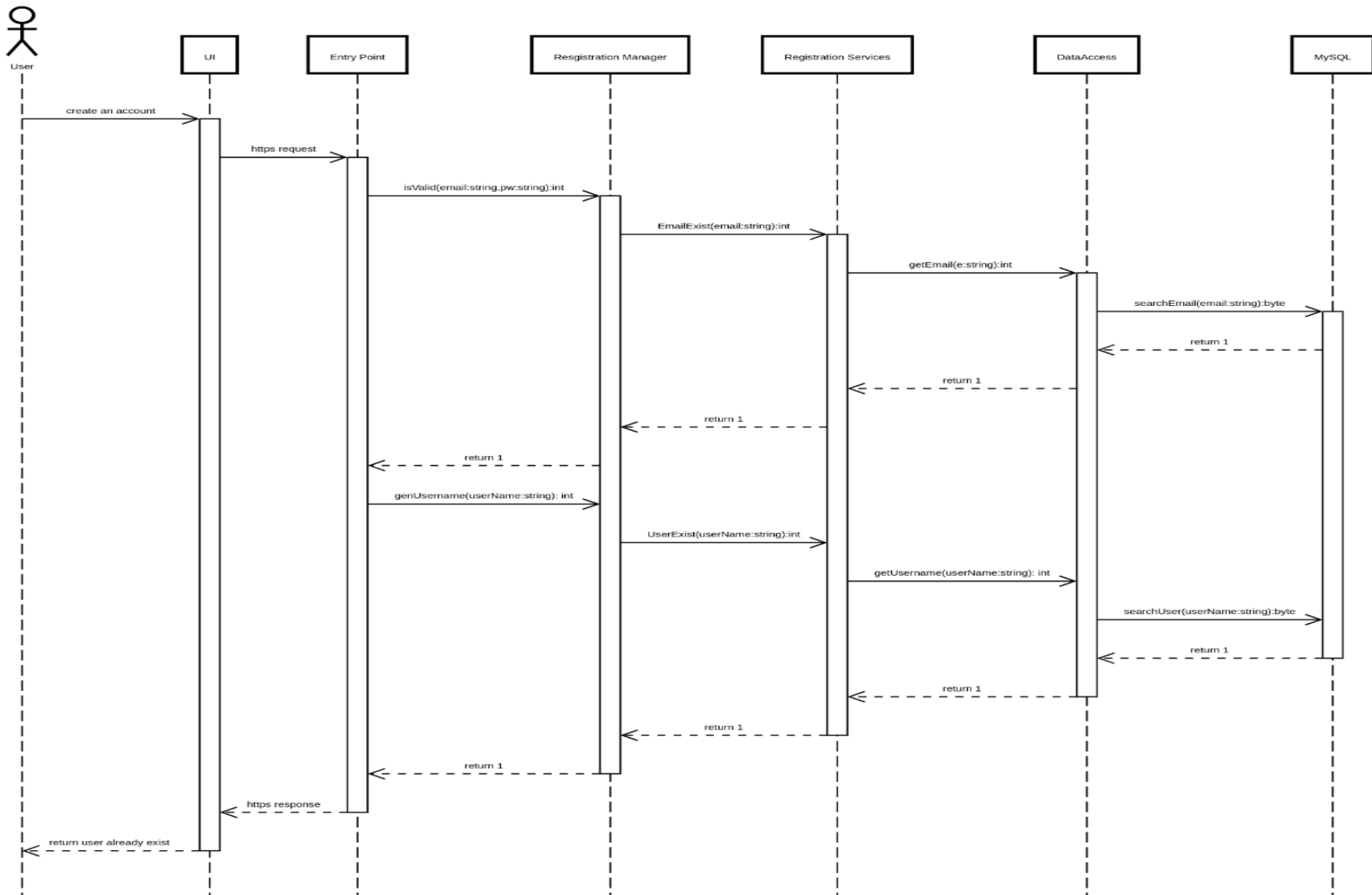
- Objective: catches when a user create an with valid credentials, but system fails to give username, gives the option to retry
- MySQL database: insert a row under the email column



Username exist

- Objective: catches when a user create an with valid credentials, but system fails to give username, gives the option to retry
- MySQL: username will be a column in database that is a candidate key to prevent used usernames

As a user I cannot register to create an account with an existing username



References

<https://sequencediagram.org/>

mermaid.live