

Team Big Data

U-tification

Low Level Design Registration

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

Version History

Current Version: V2

CHANGES:

- Modified

General	<ul style="list-style-type: none">• Object return specification• Https response code 200• Result object created and returned
Email Exist	<ul style="list-style-type: none">• userInput object created• Added UserEmail() method• Data type at DataAccess return is a table• Email object created
Invalid Email	<ul style="list-style-type: none">• Email object created
Passphrase does not meet password length	<ul style="list-style-type: none">• Pw object created
Passphrase out the scope of special characters	<ul style="list-style-type: none">• Pw object created
Different View	<ul style="list-style-type: none">• View object created and returned
Unable to give system wide username	<ul style="list-style-type: none">• Email object created• DataAccess return type is a table• Added UserEmail method• emailExist object created
Username Exist	<ul style="list-style-type: none">• Email object created• DataAccess return type is a table• Added UserEmail method• emailExist object created

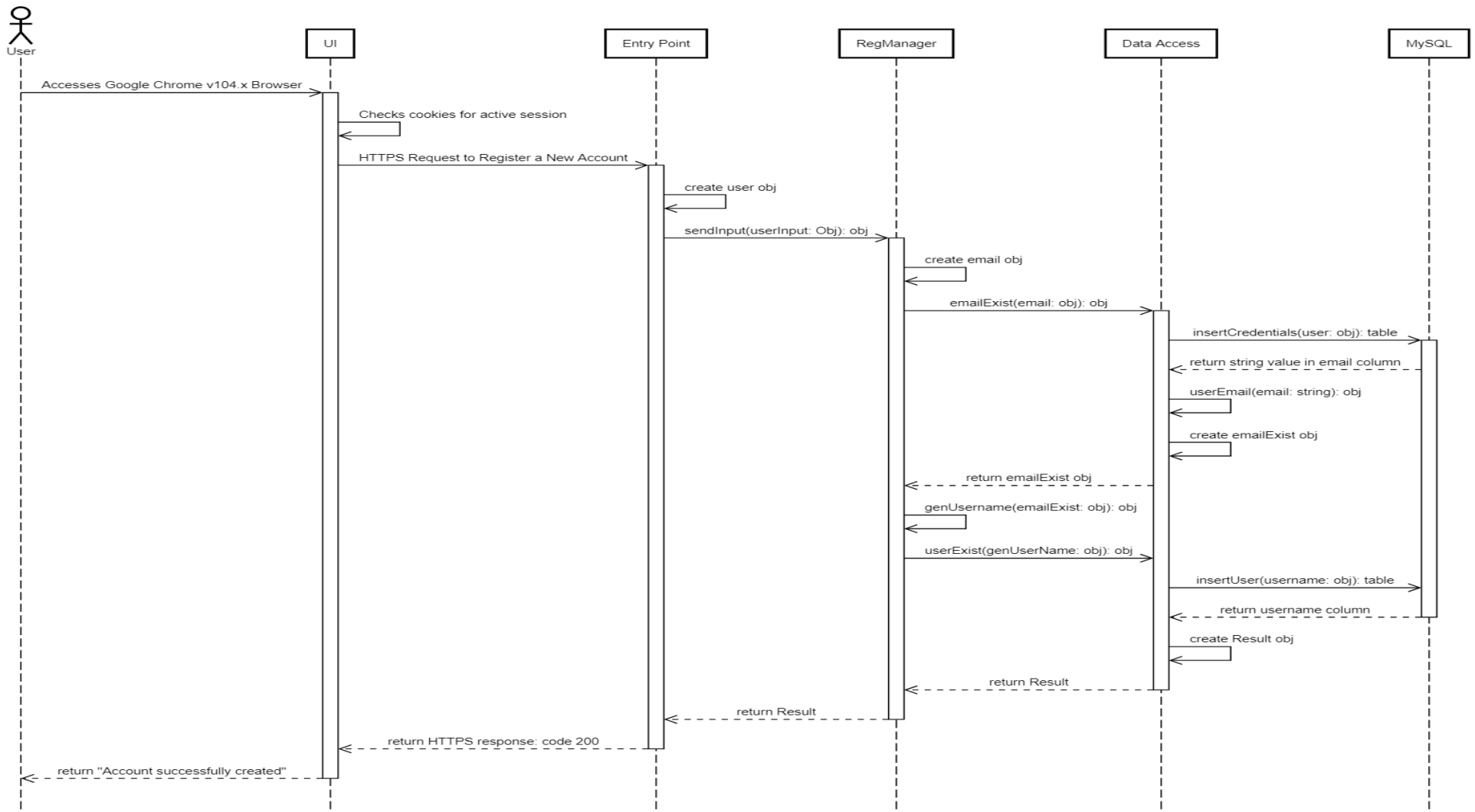
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Successful Case

- Each individual test case is successfully met and allows the user to register a new account

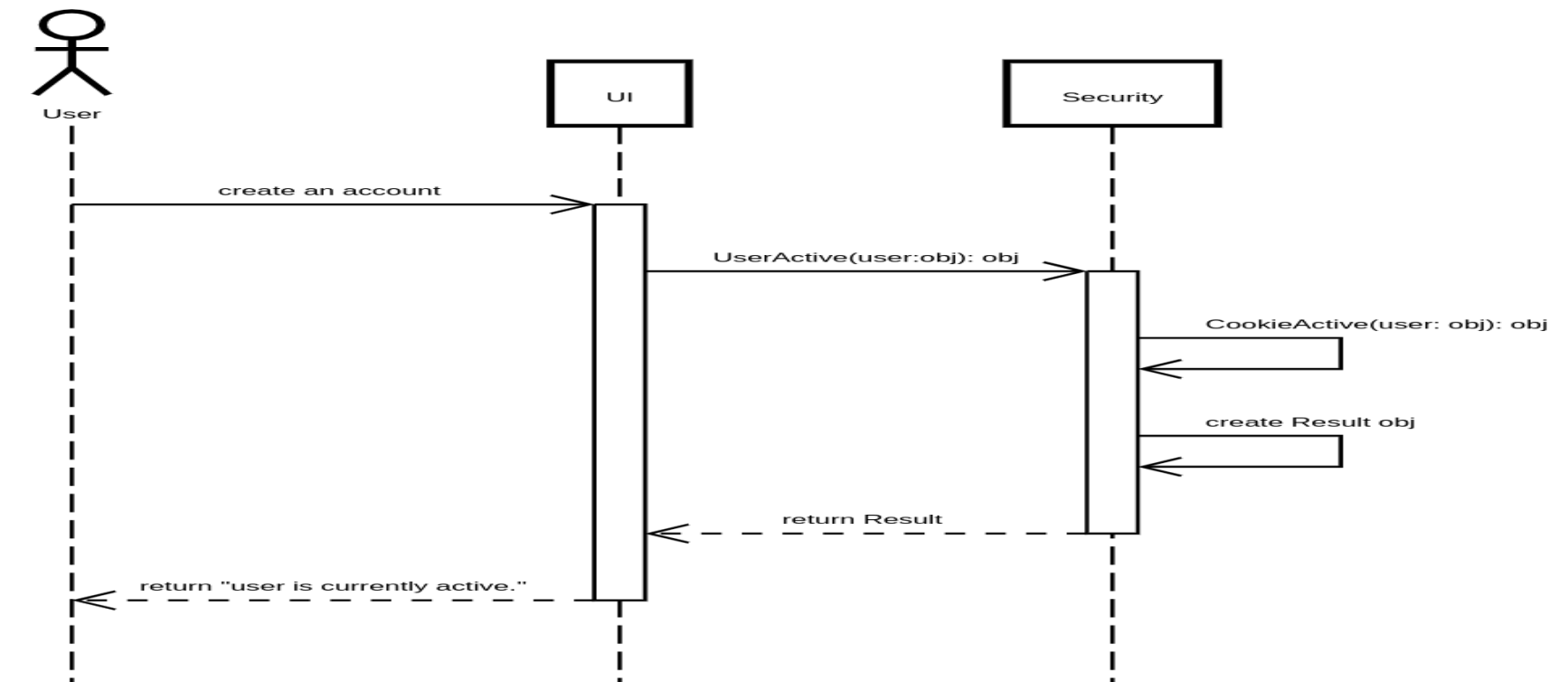
Successful Registration



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.
- Result object returns a result of 1 to indicate that its true a user is active

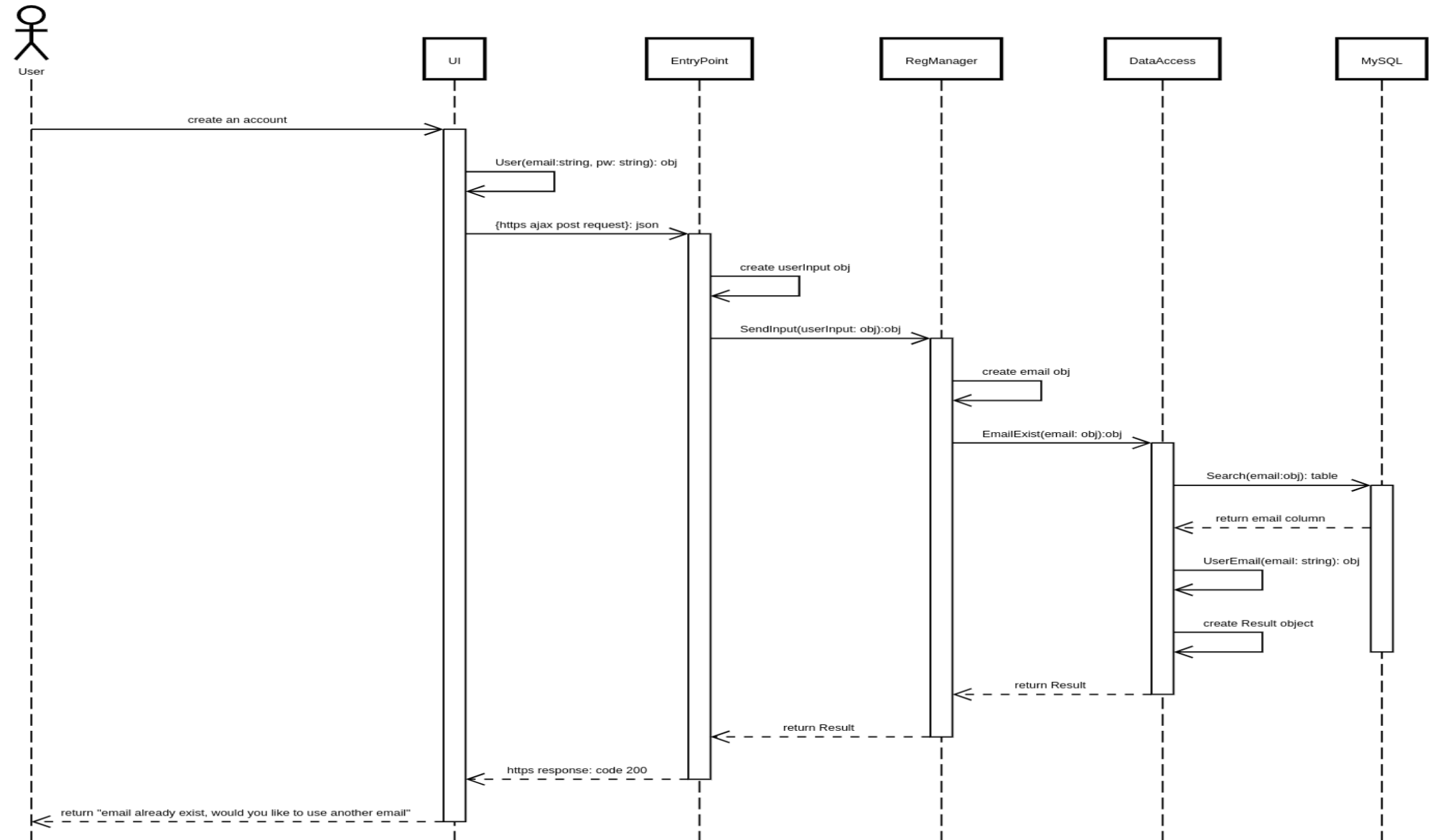
As a user I cannot register to create an account if there exist an active session



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
- Result object stores 1 to indicate that an existing email is already stored in MySQL

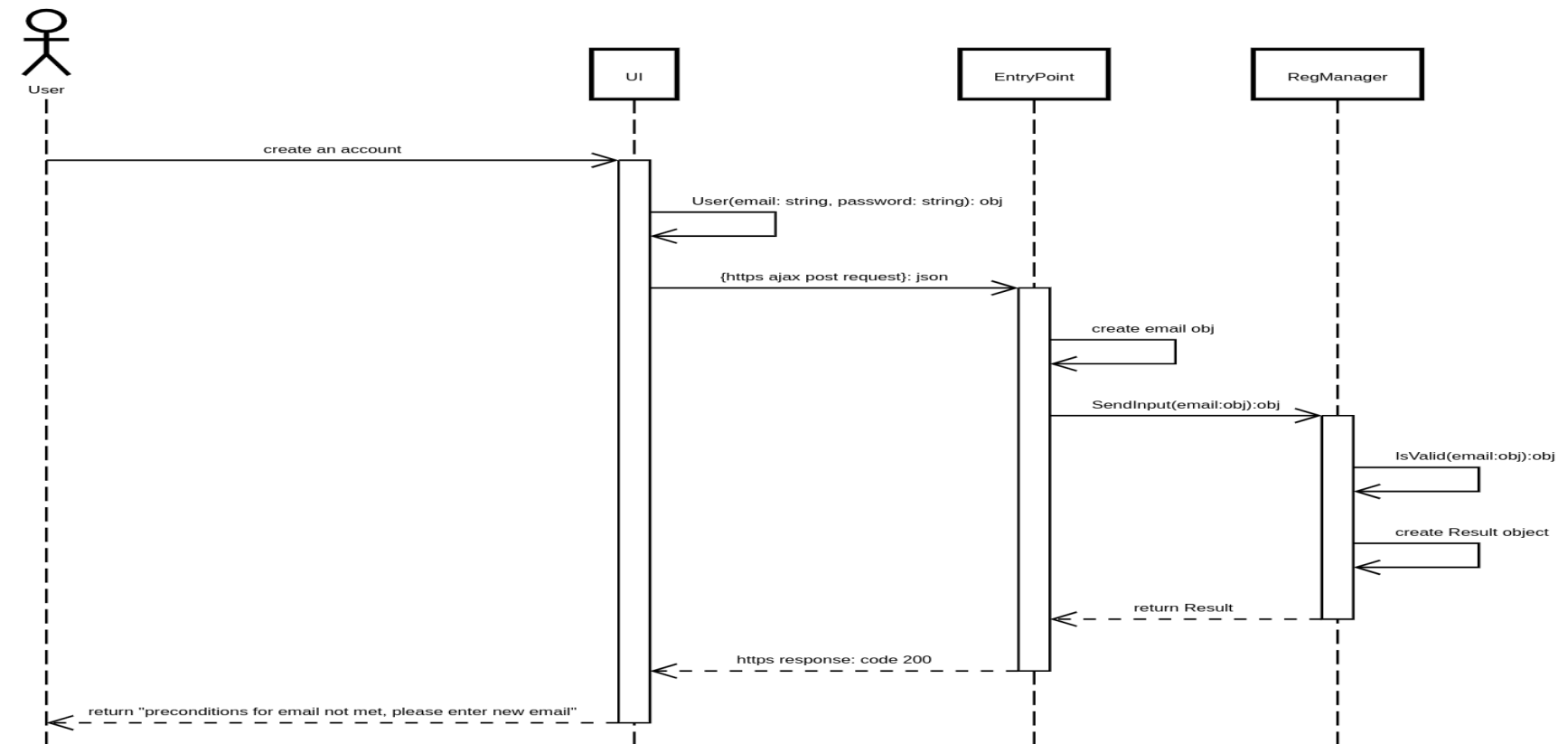
As a user I cannot register to create an account with an existing email



Invalid Email

- Objective: catch when a user inputs an email that does not satisfy preconditions and gives a chance to input another email
- Result object stores 2 to indicate it failed

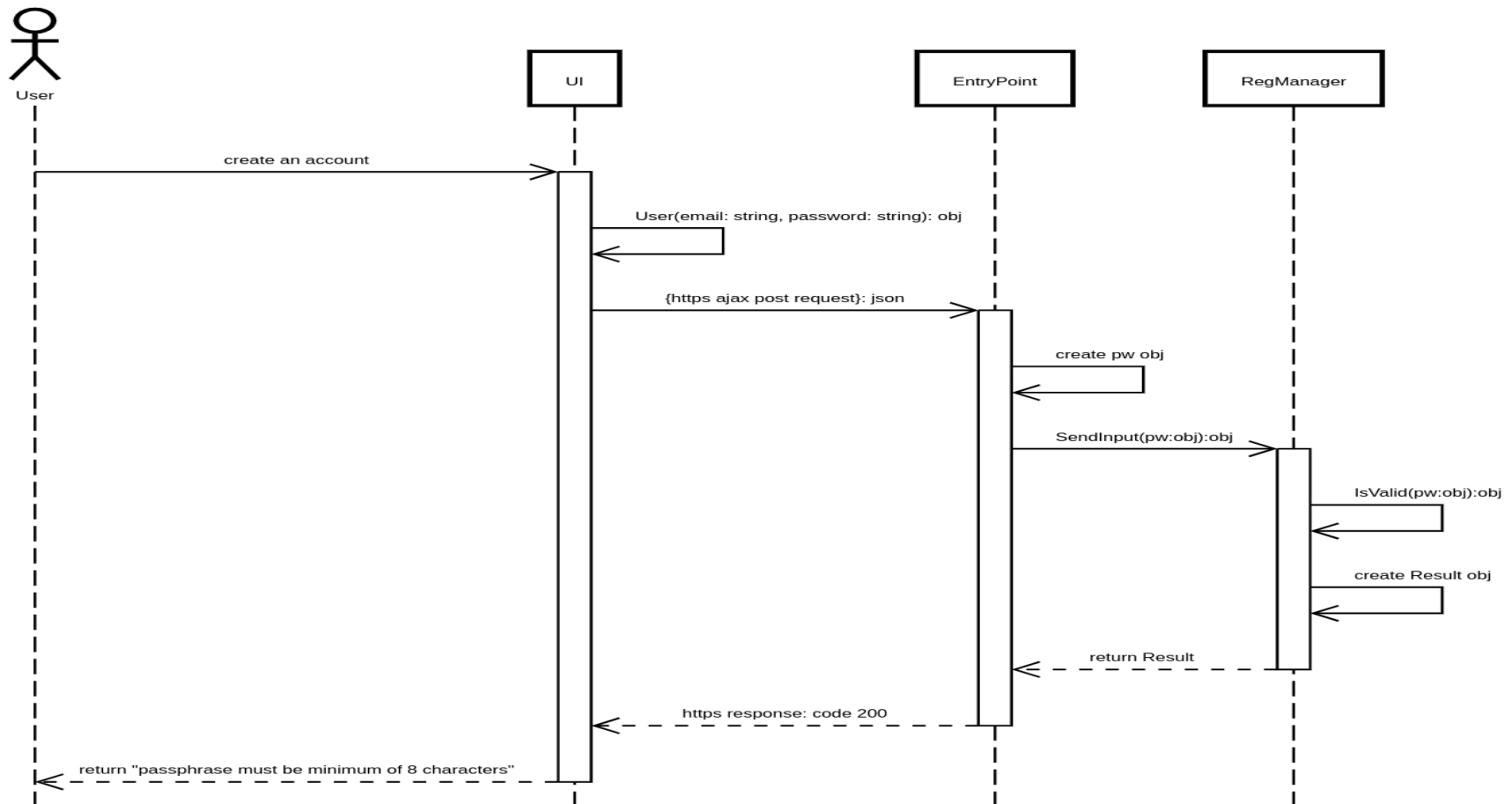
As a user I cannot reister to create an account without a valid email



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
- Result object stores a 2 to indicate it failed

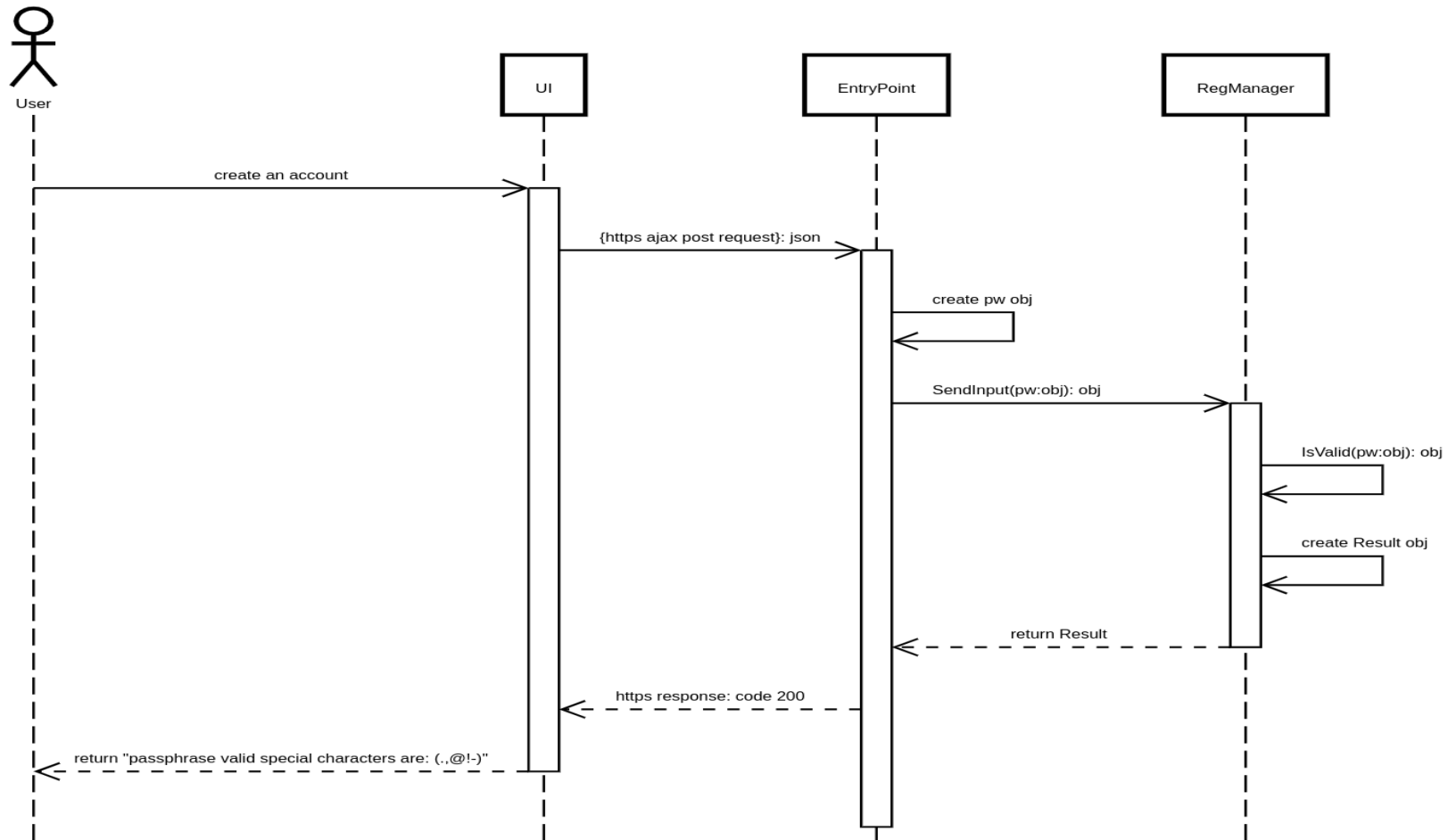
As a user I cannot register to create an account with a passphrase of length less than 8



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
- Result object returns a 2 to indicate it failed

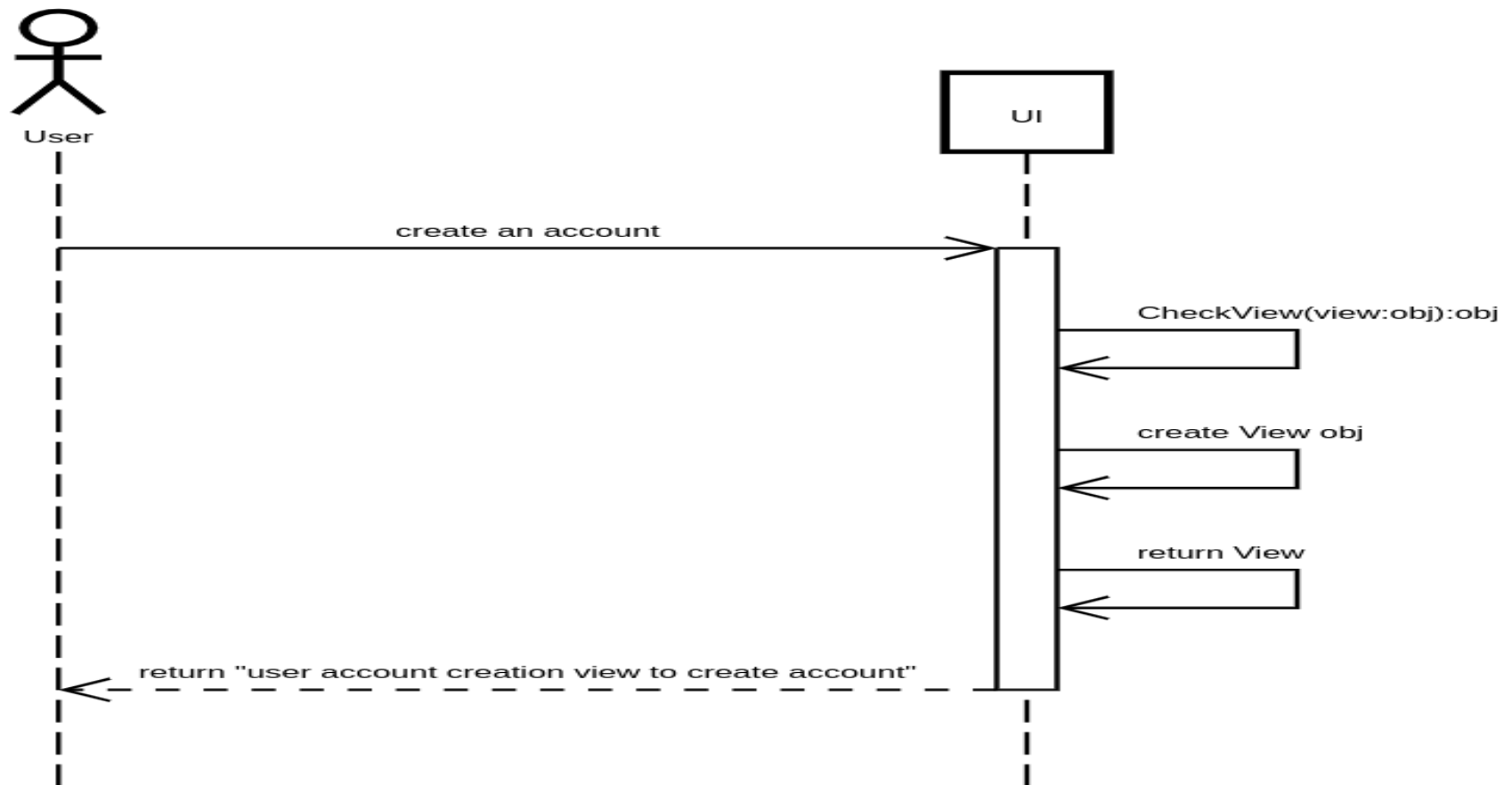
As a user I cannot register to create an account with a passphrase that consist with special characters out of the scope requirements



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
- CheckView obj returns a 2 to indicate it failed to be in account view

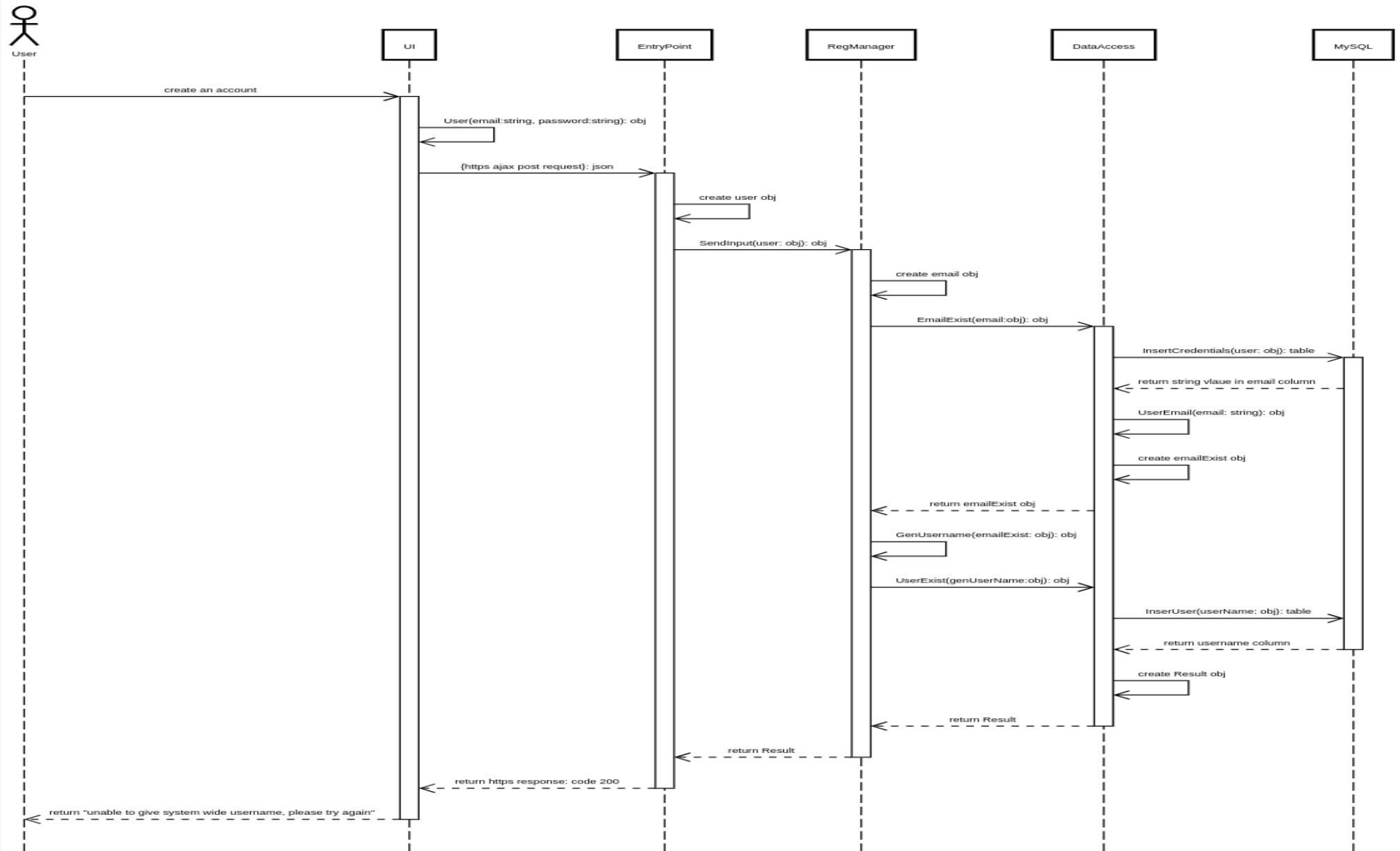
As a user I cannot register to create an account in a different view



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
- Result object stores 2 to indicate it failed to store username, Result object from RegManager stores 0 to indicate unknown

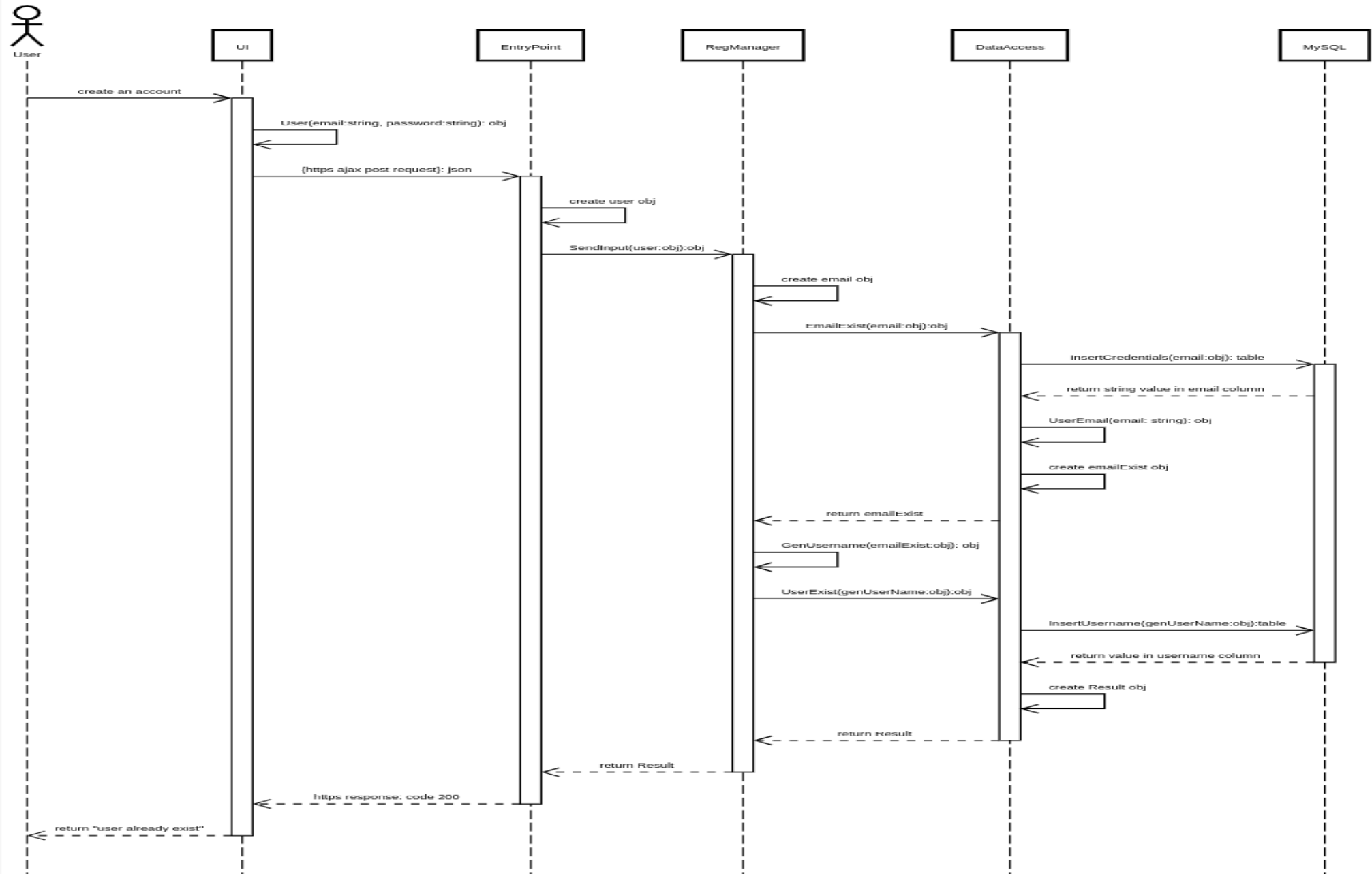
As a user I want to register to create an account but system fails to distribute system wide username



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
- Result object from DataAccess stores 2 to indicate failure, Result object from RegManger stores 2 to indicate failure

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



References

<https://sequencediagram.org/>

mermaid.live

Vatanak Vong: enum Results