

**Team Big Data**

# **U-tification**

## **Low Level Design**

**Date: 10/23/2022**

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

## **Version History**

**Current Version: V1**

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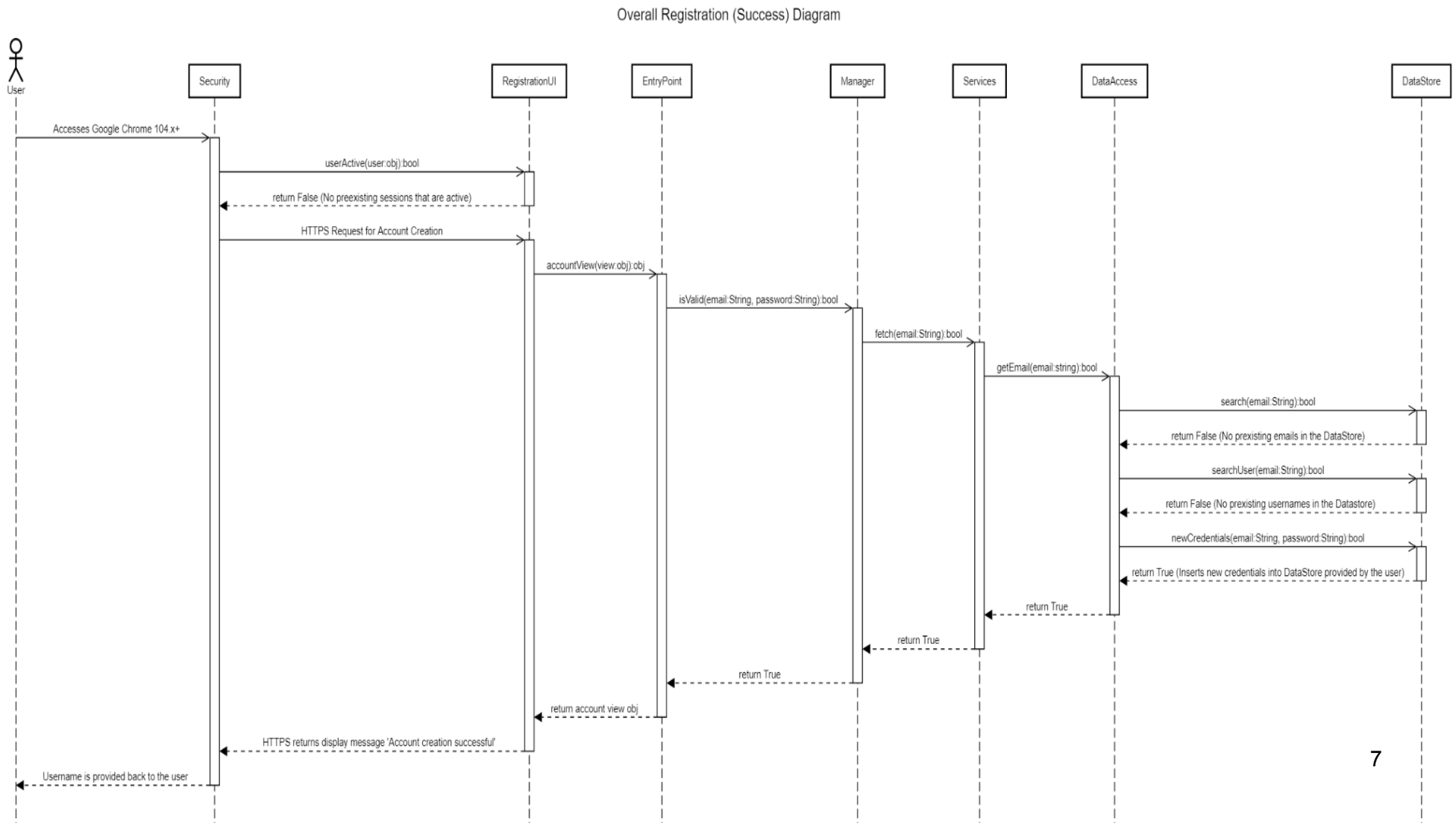
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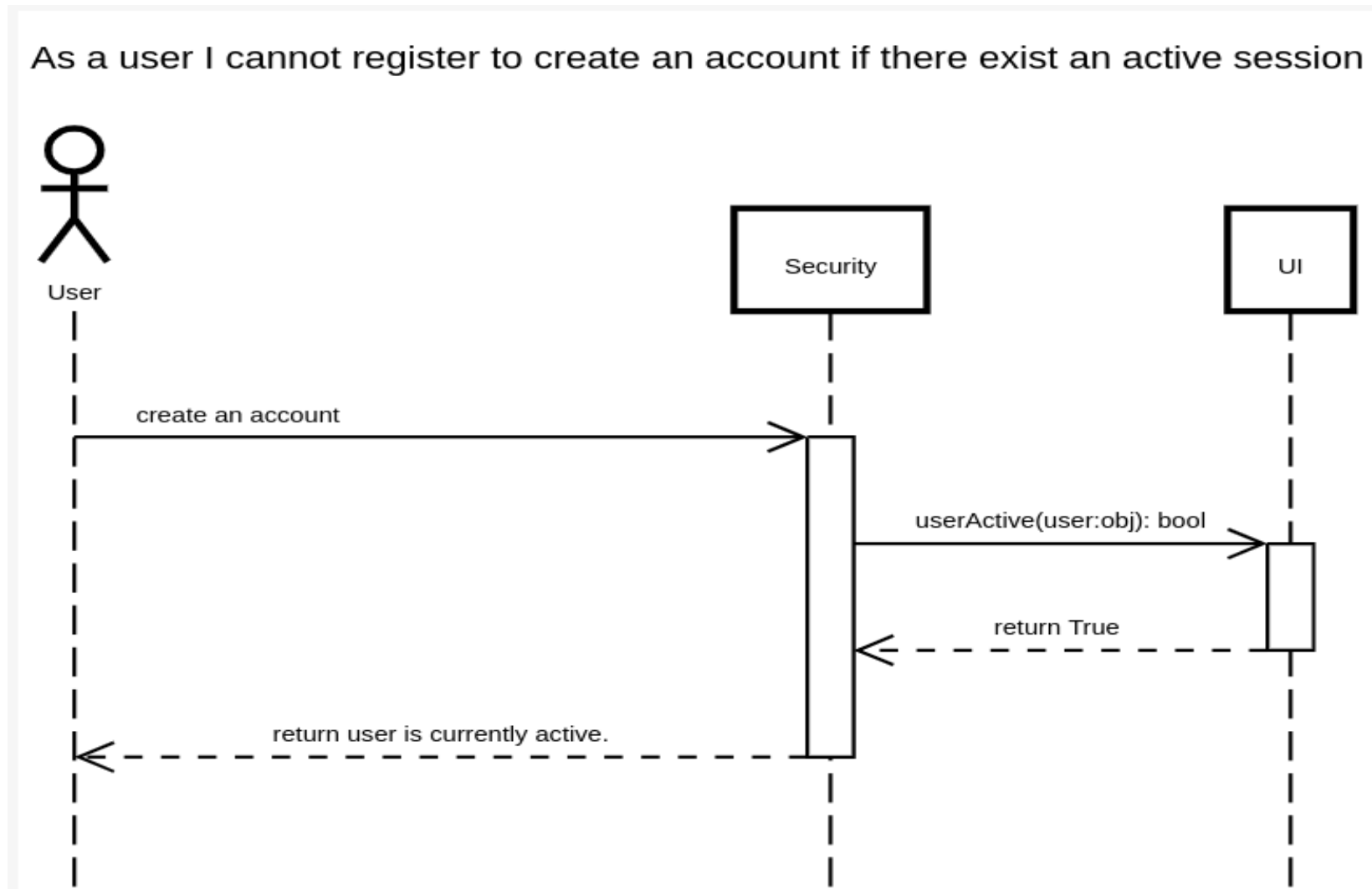
## Registration Success Sequence Diagram

An overall successful use case diagram that outlines each condition that the system will check in order to the end goal of creatinine a new user account

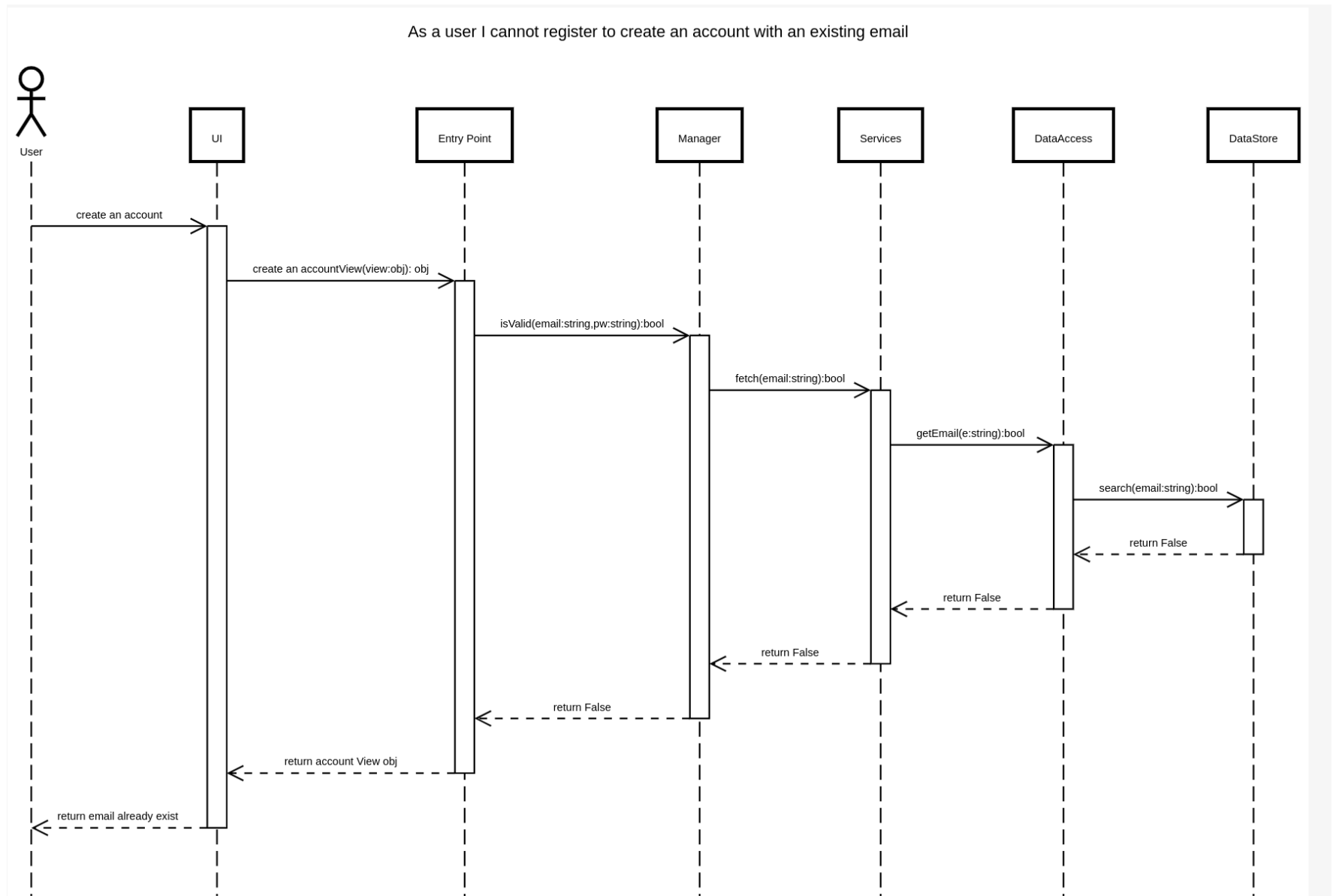


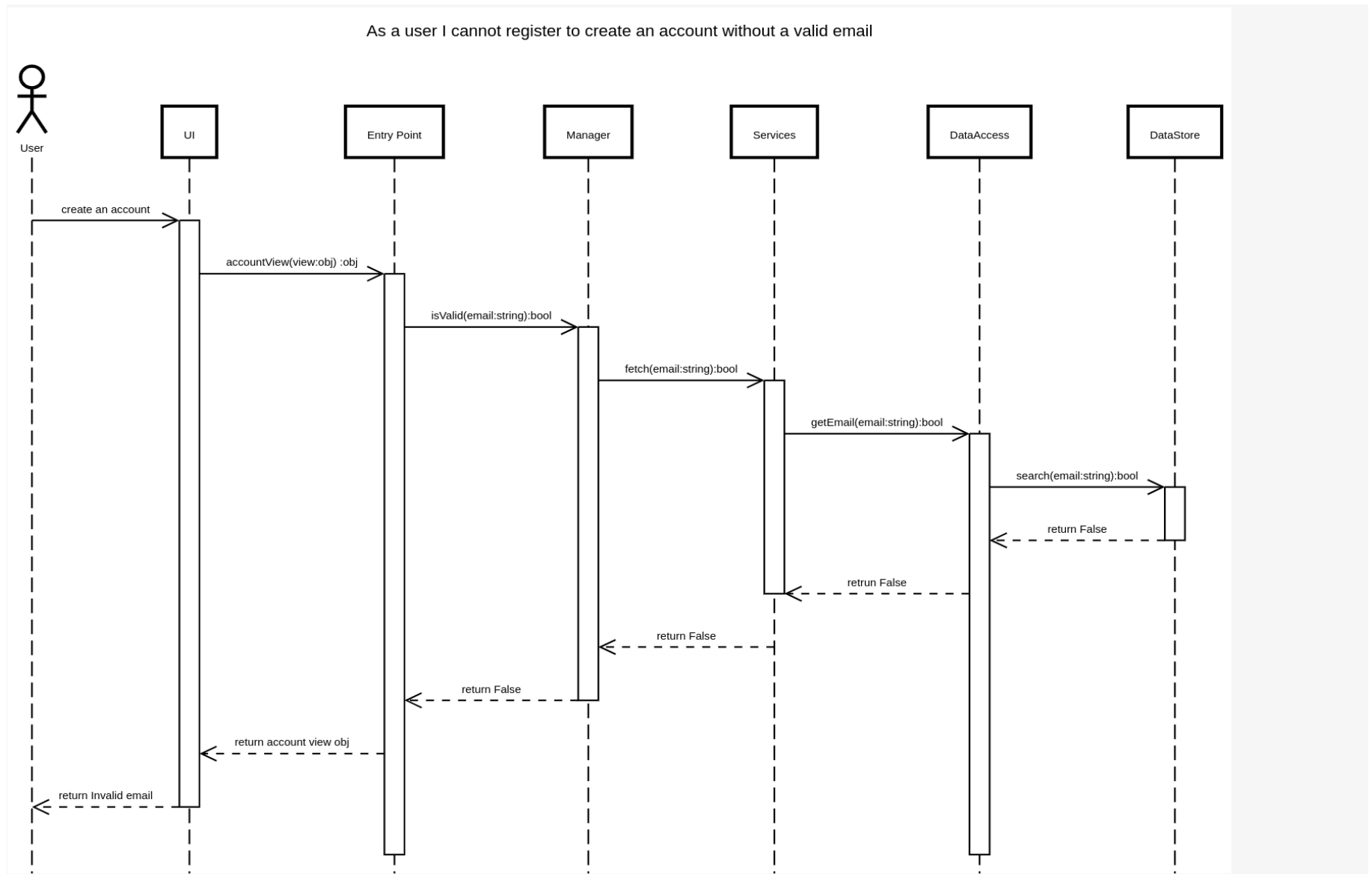
## Registration Failure Sequence Diagrams

Series of user use cases in a form of a sequence diagram to display possible errors in the process of creating an account

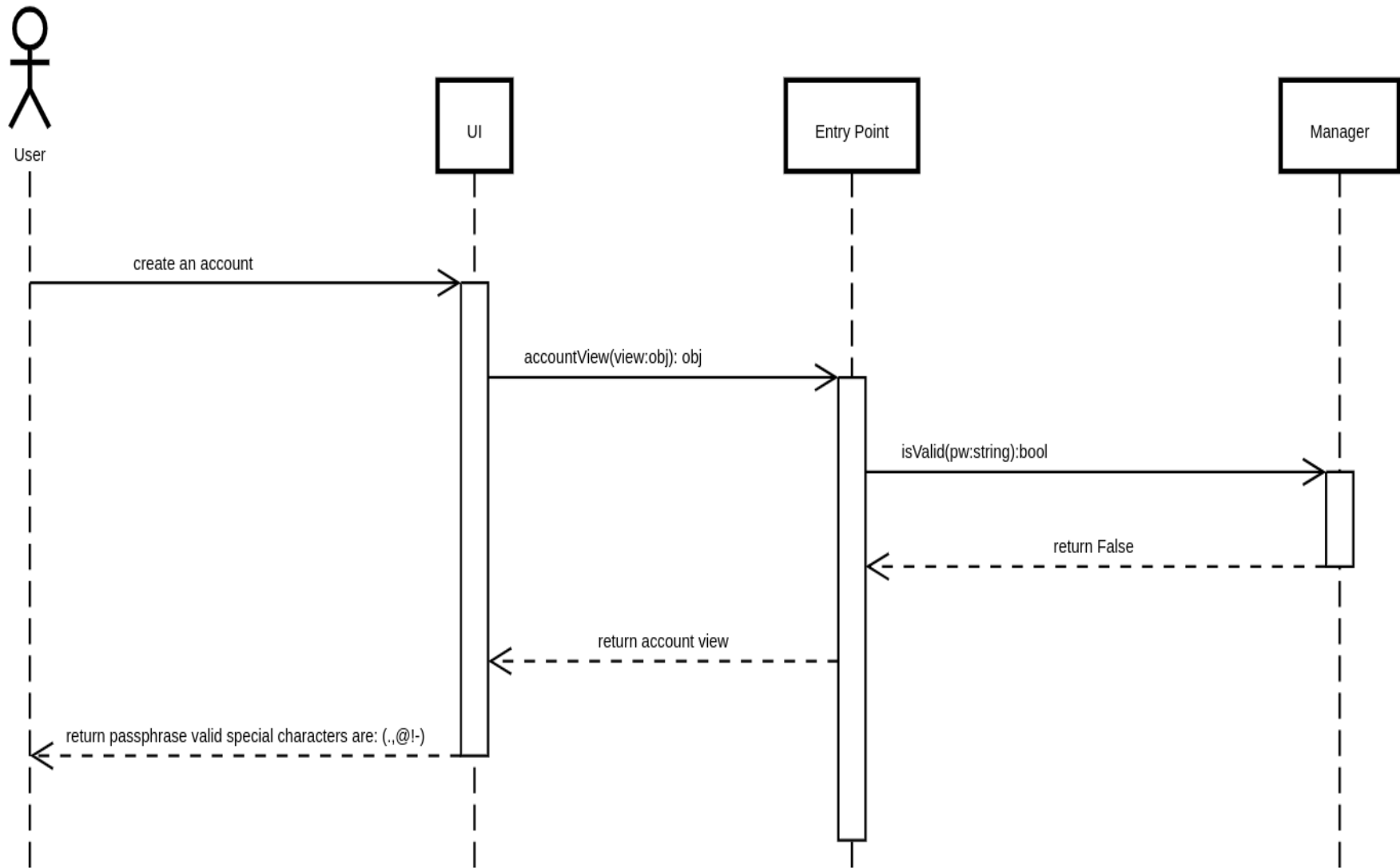




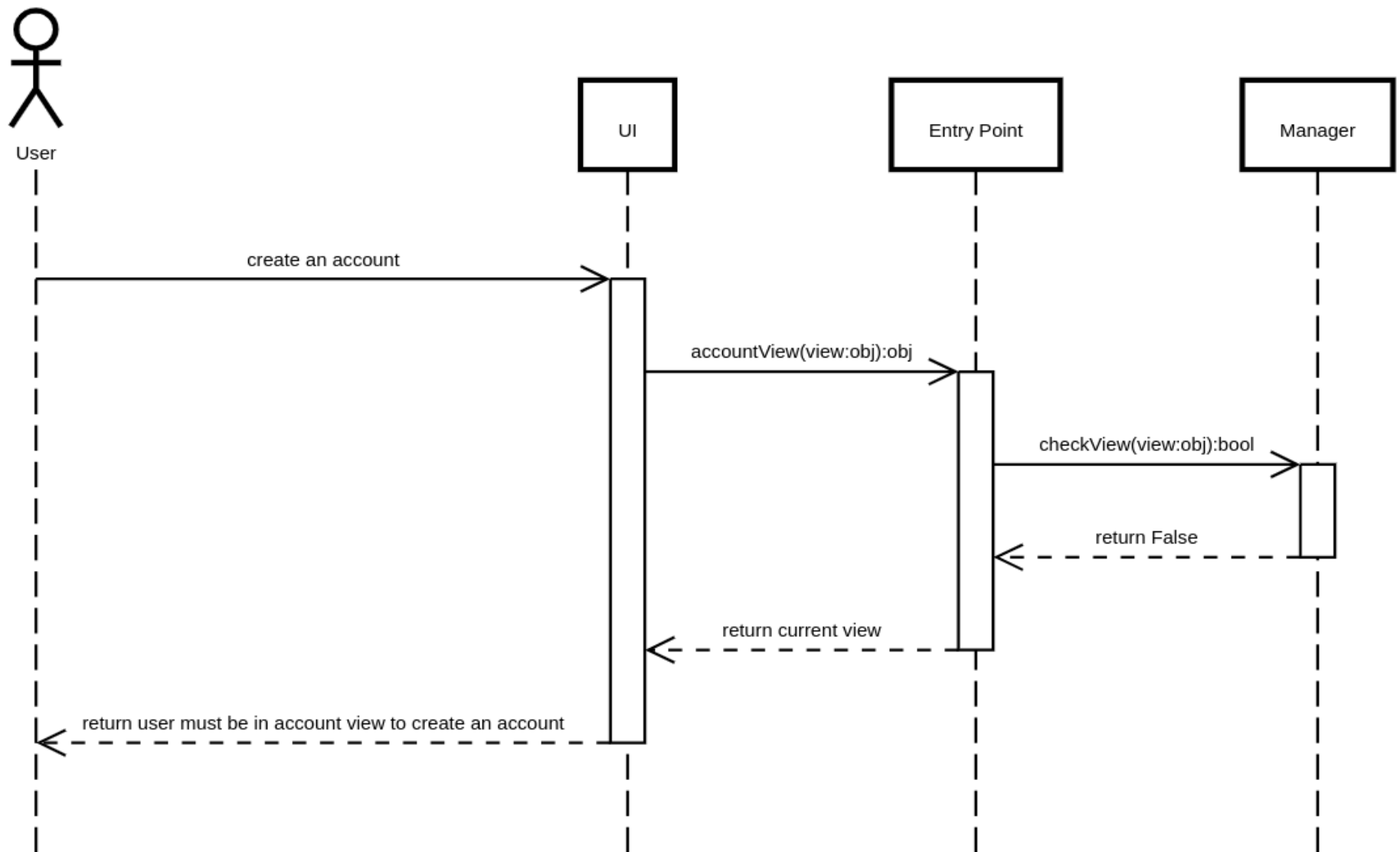




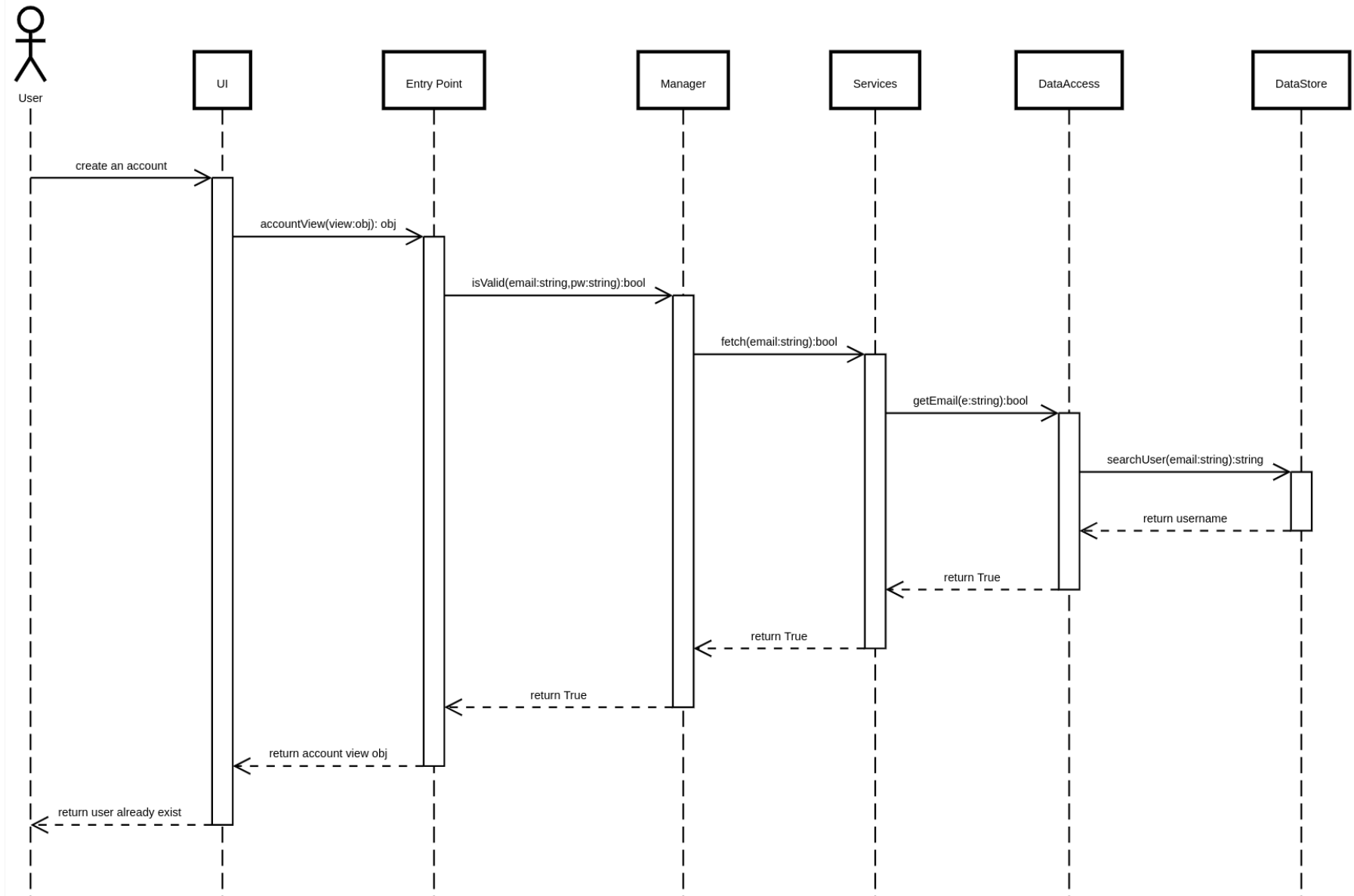
As a user I cannot register to create an account with a pass phrase that consist with special characters out of the scope requirements



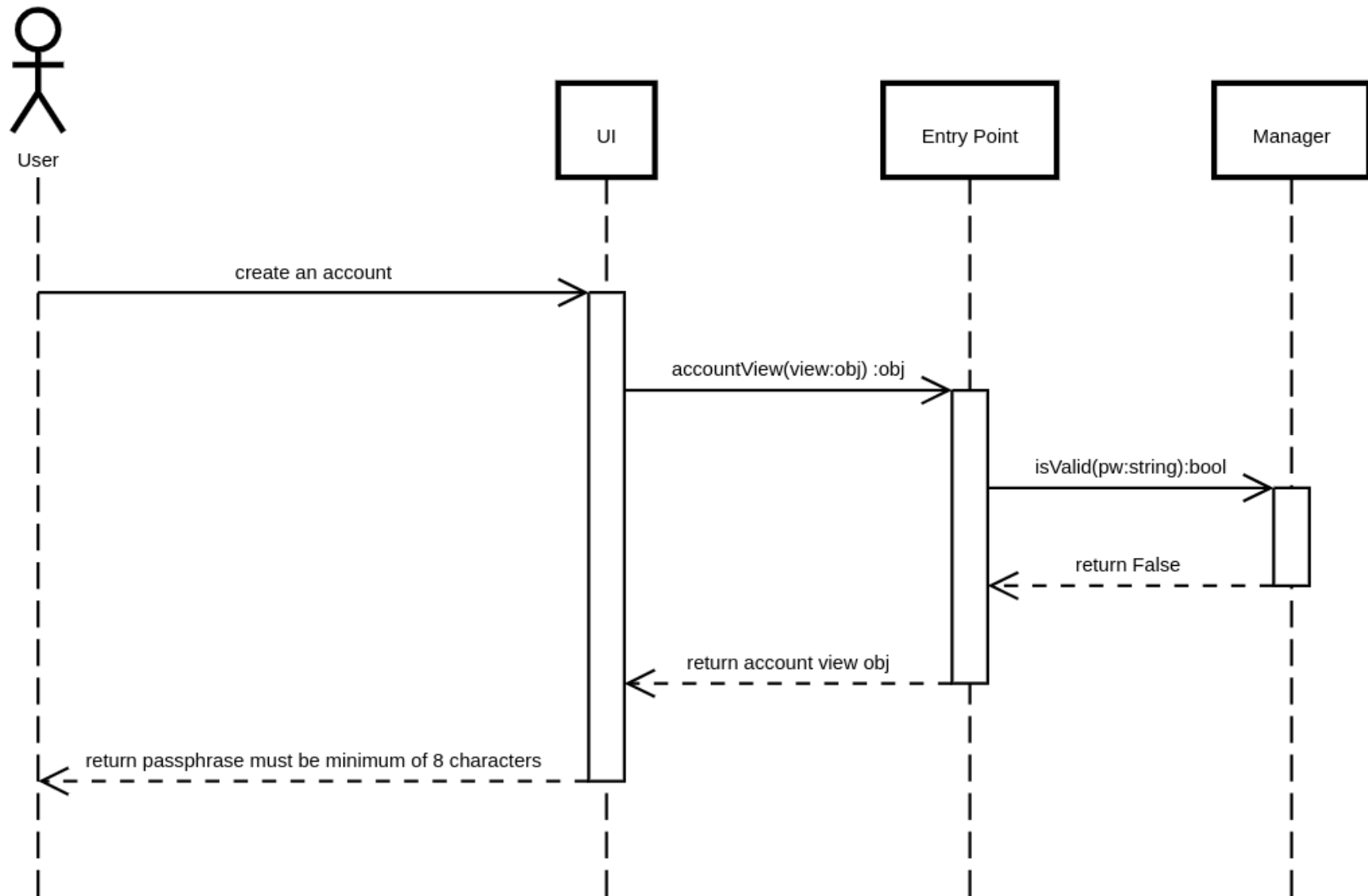
As a user I cannot create an account in a different view



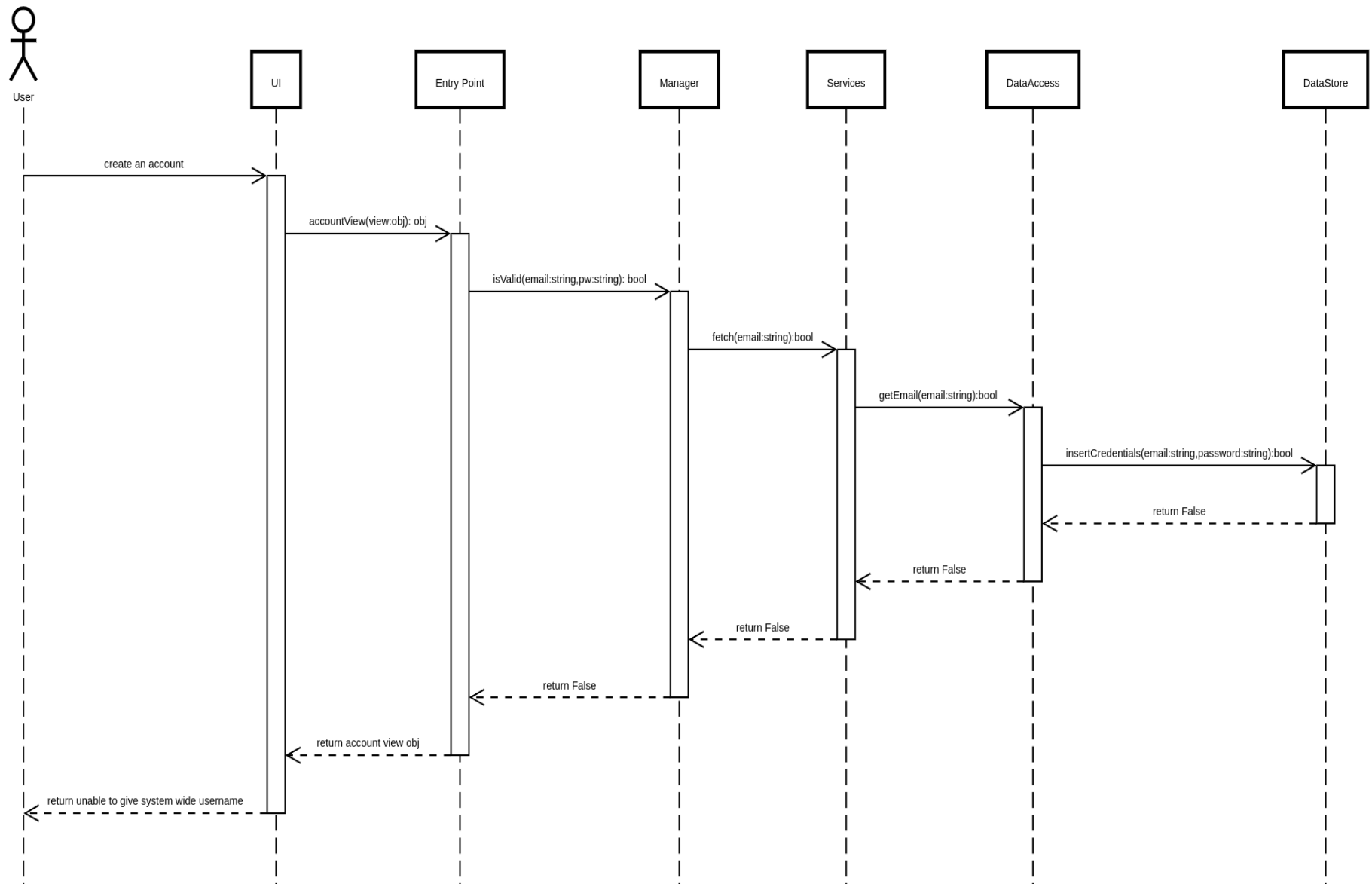
As a user I cannot create an account with an existing username



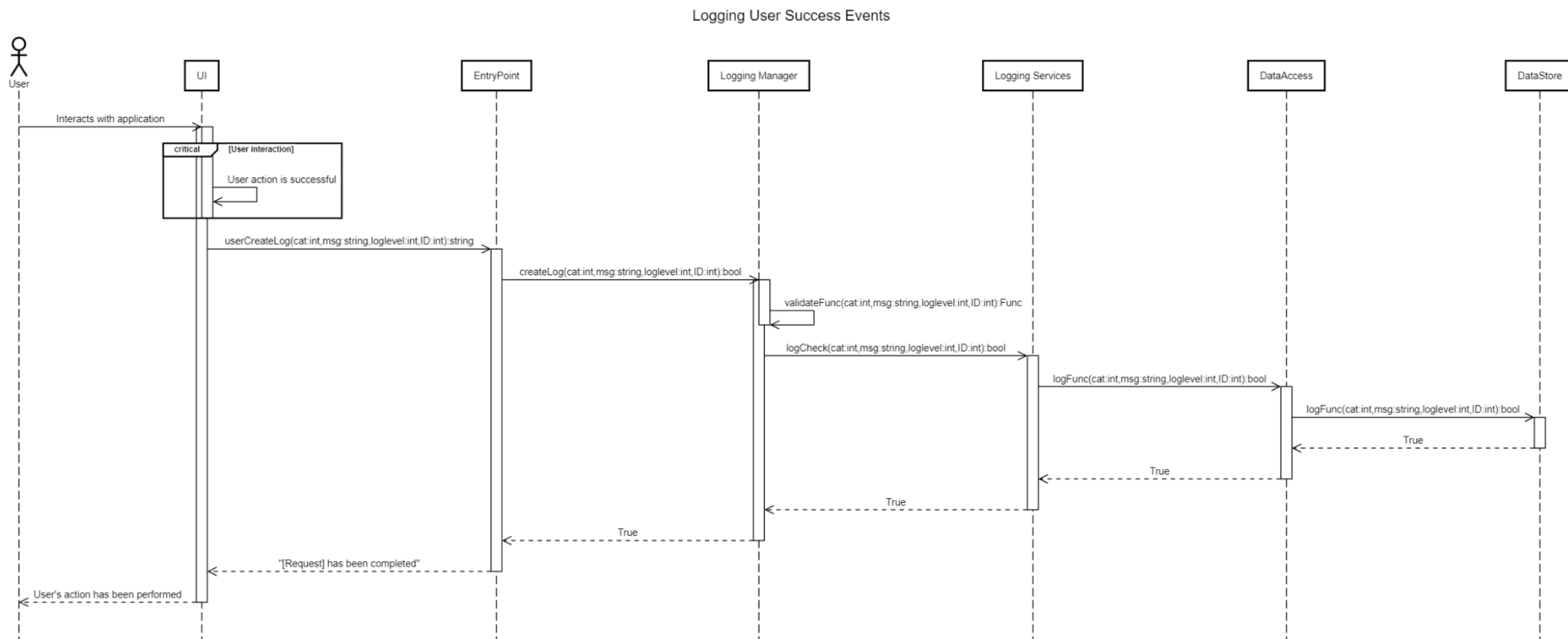
As a user I cannot register to create an account with a passphrase of length less than 8



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

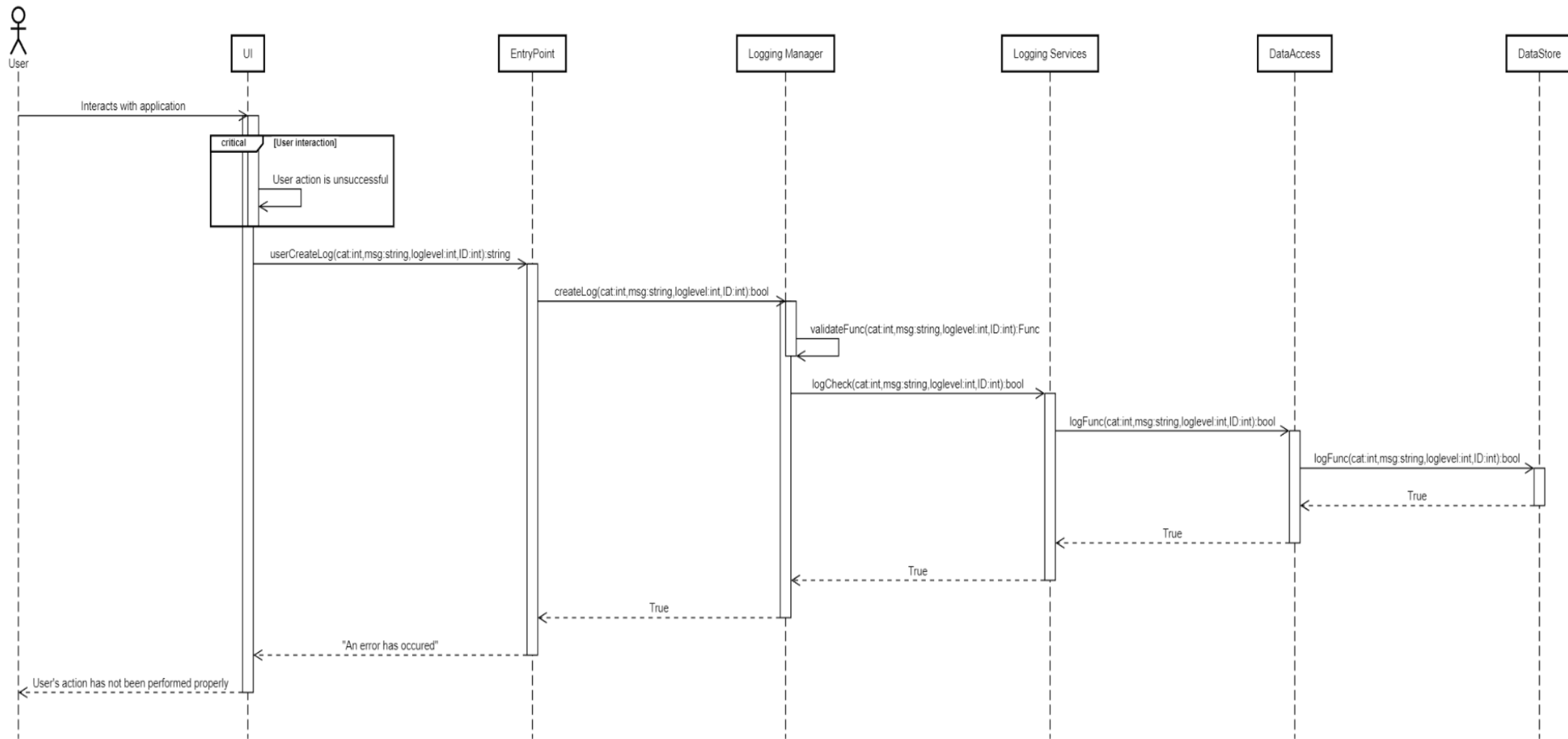


# Logging Success Sequence Diagrams

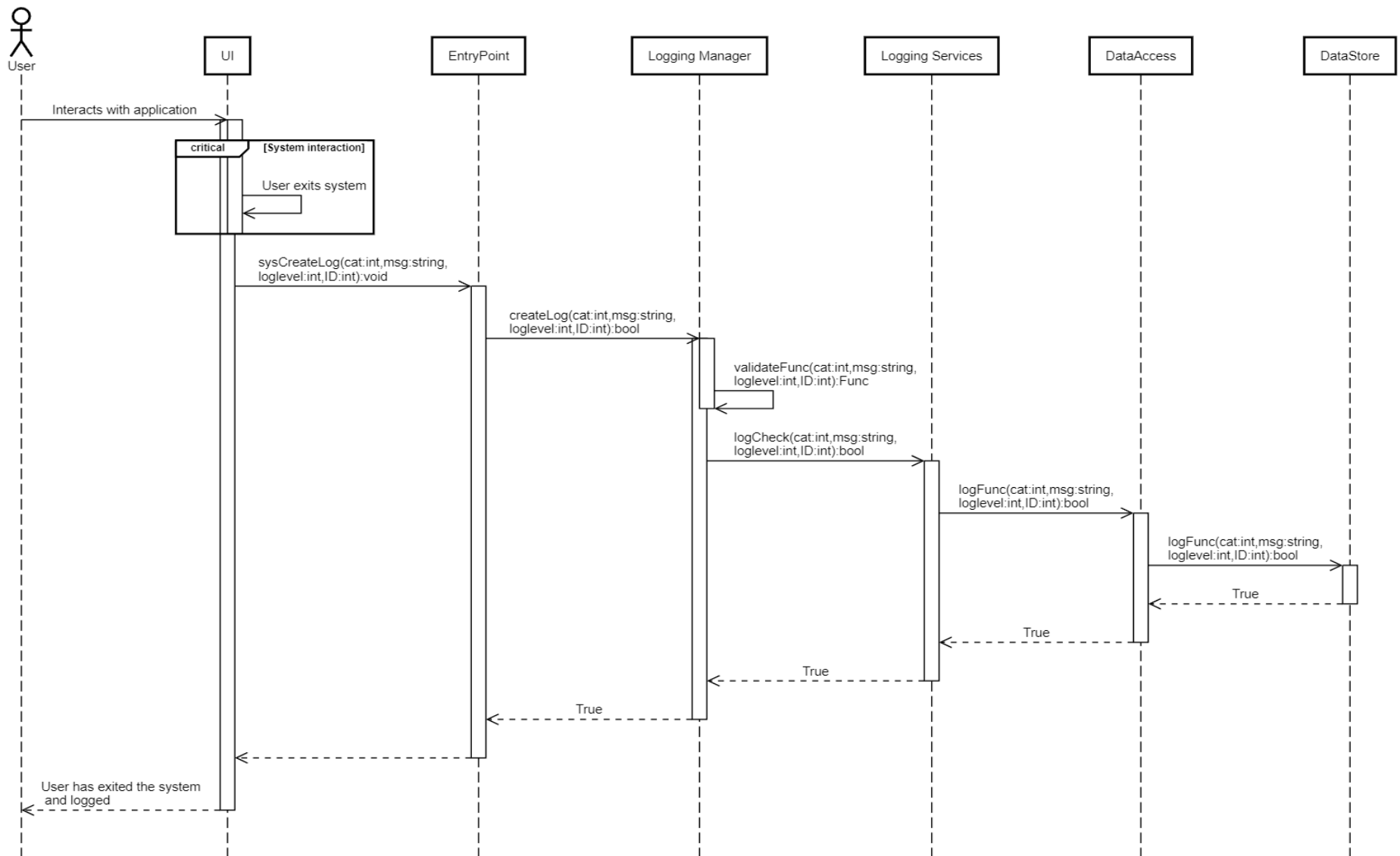




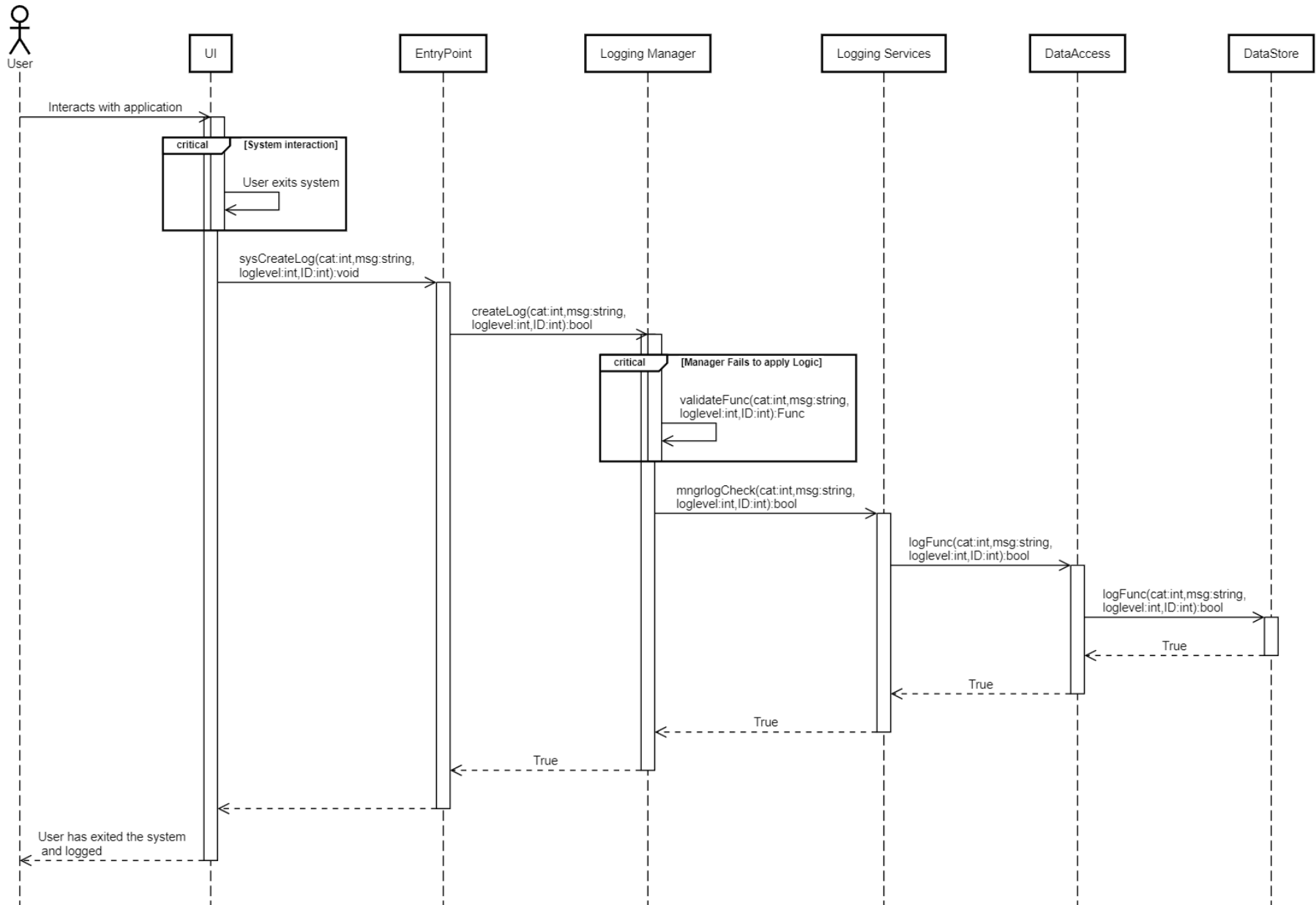
## Logging User Failure Events



## Logging System Success Events



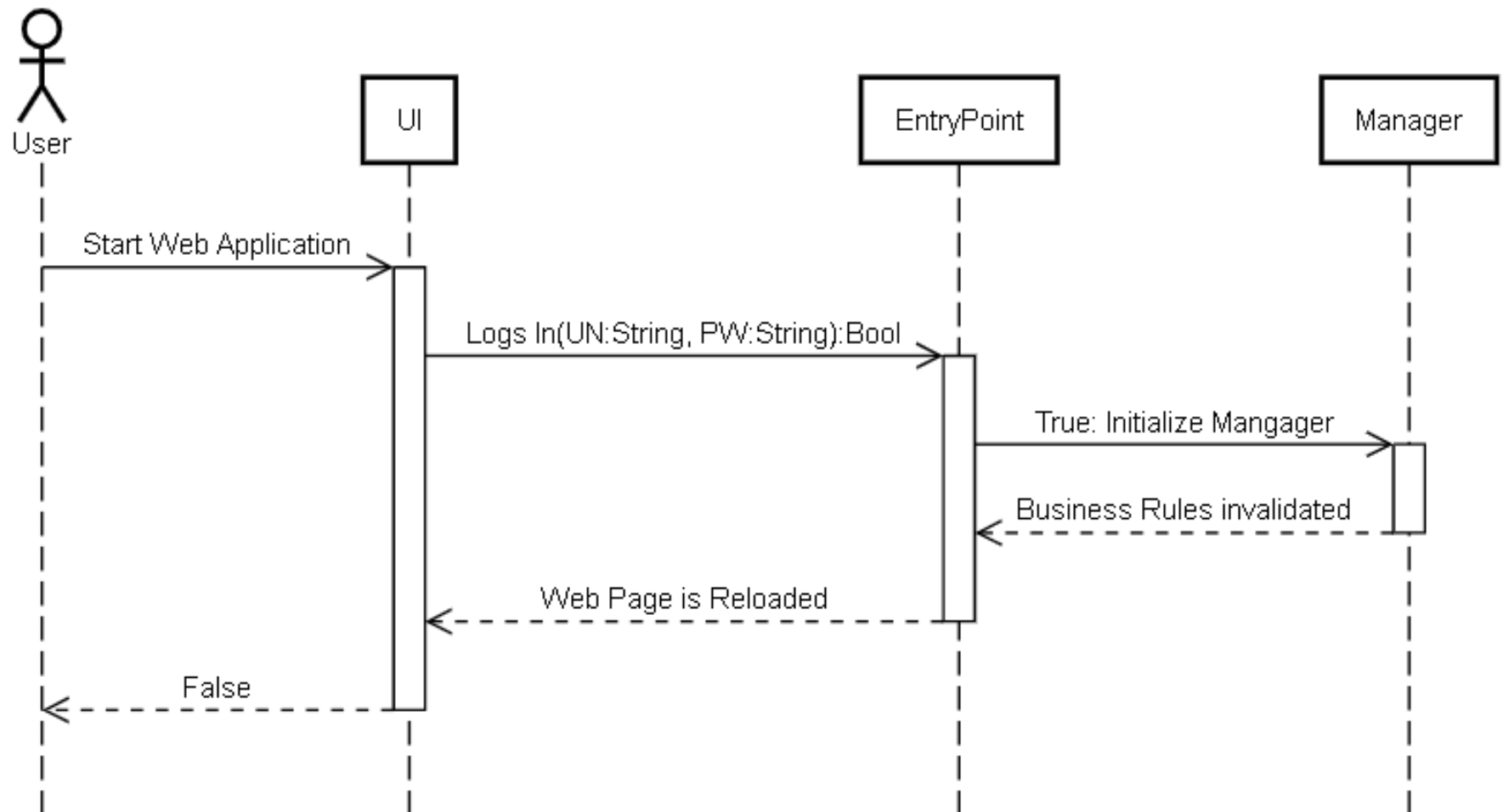
## Logging System Failure Events



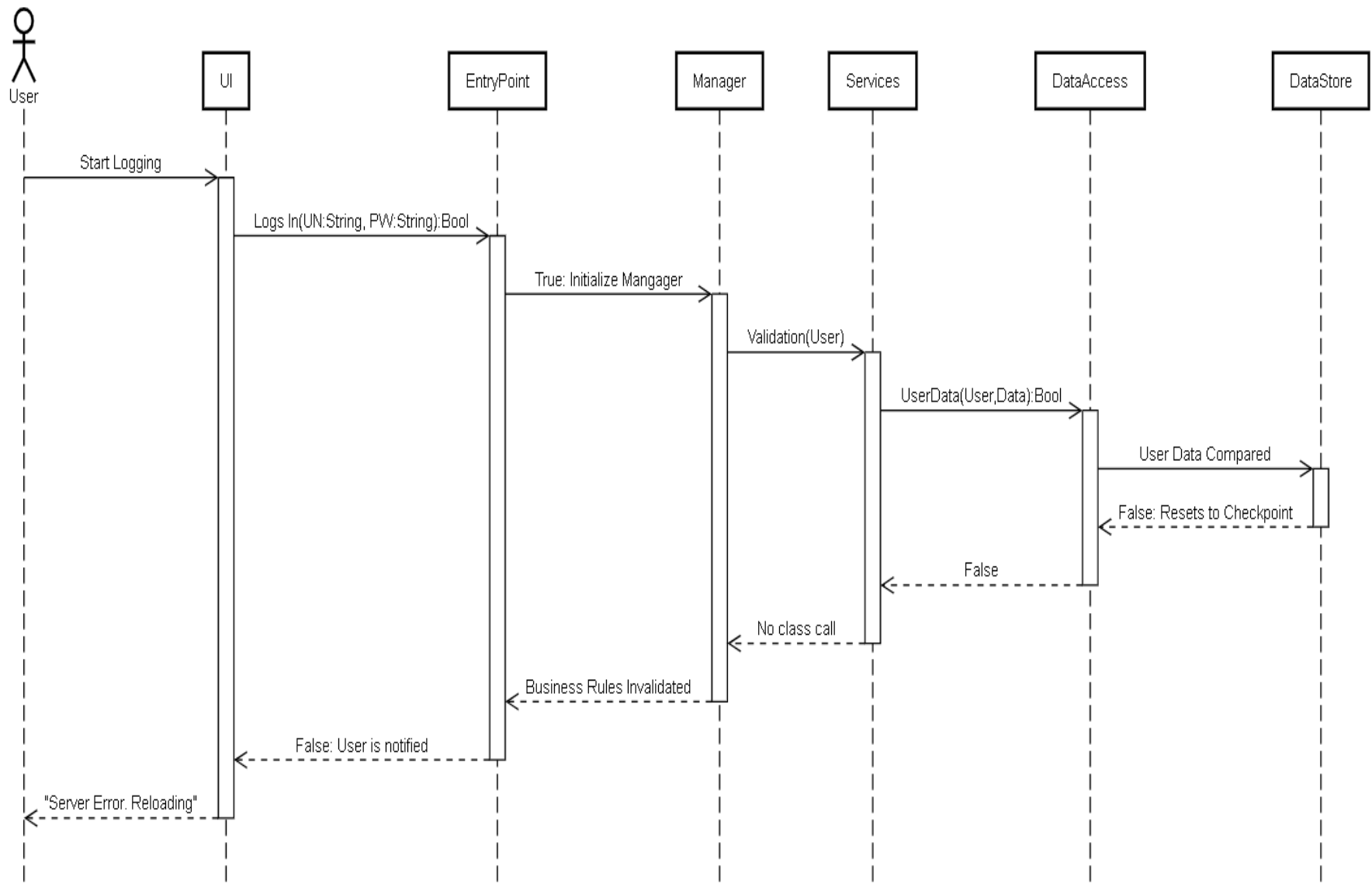
## Logging Failure Sequence Diagrams

### General Failure Conditions

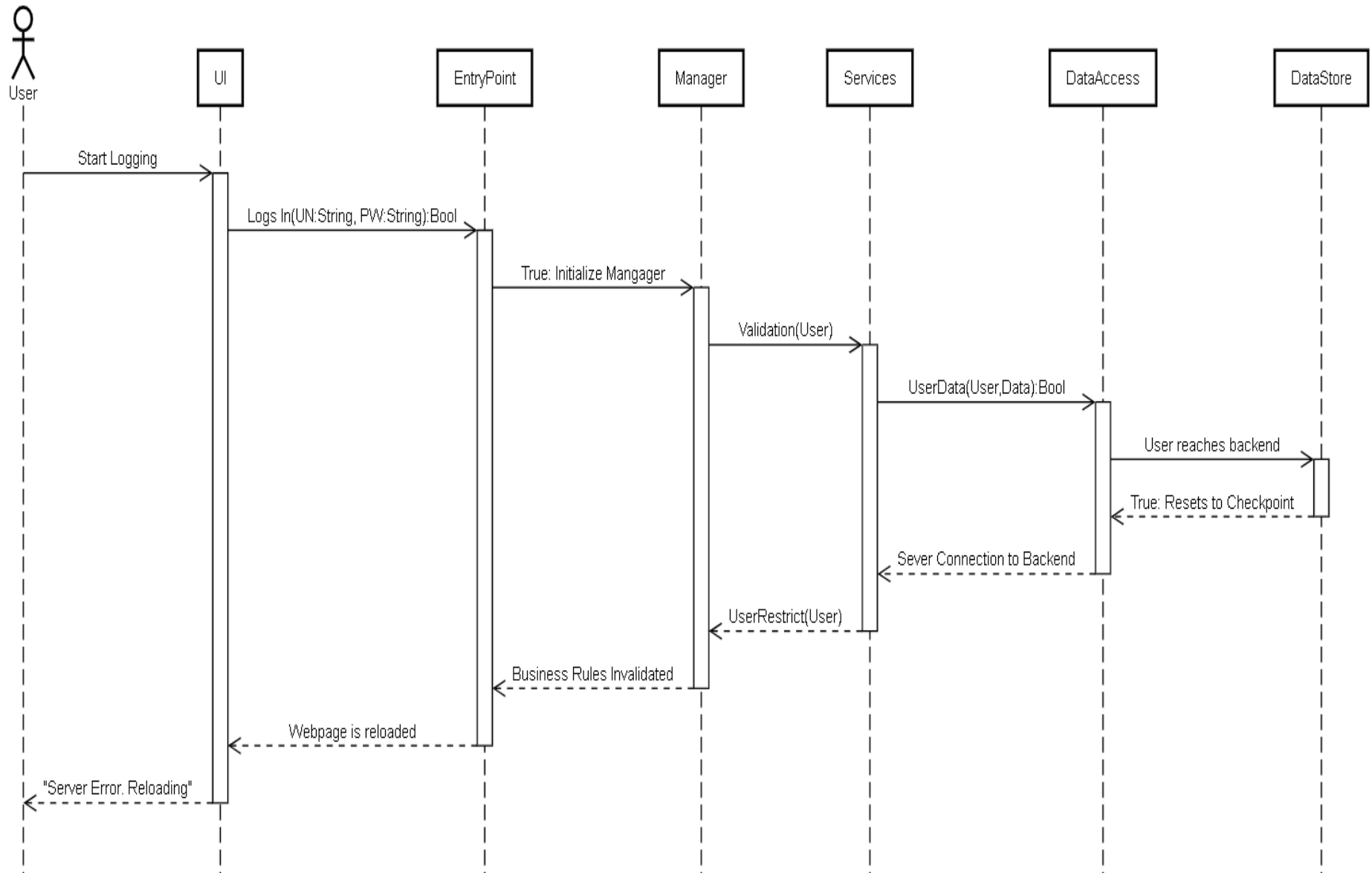
As a User, I want valid text, but the text does not meet Business Requirements



As a User, I want data to be recorded accurately on Client and Server end, but data is not recorded properly.

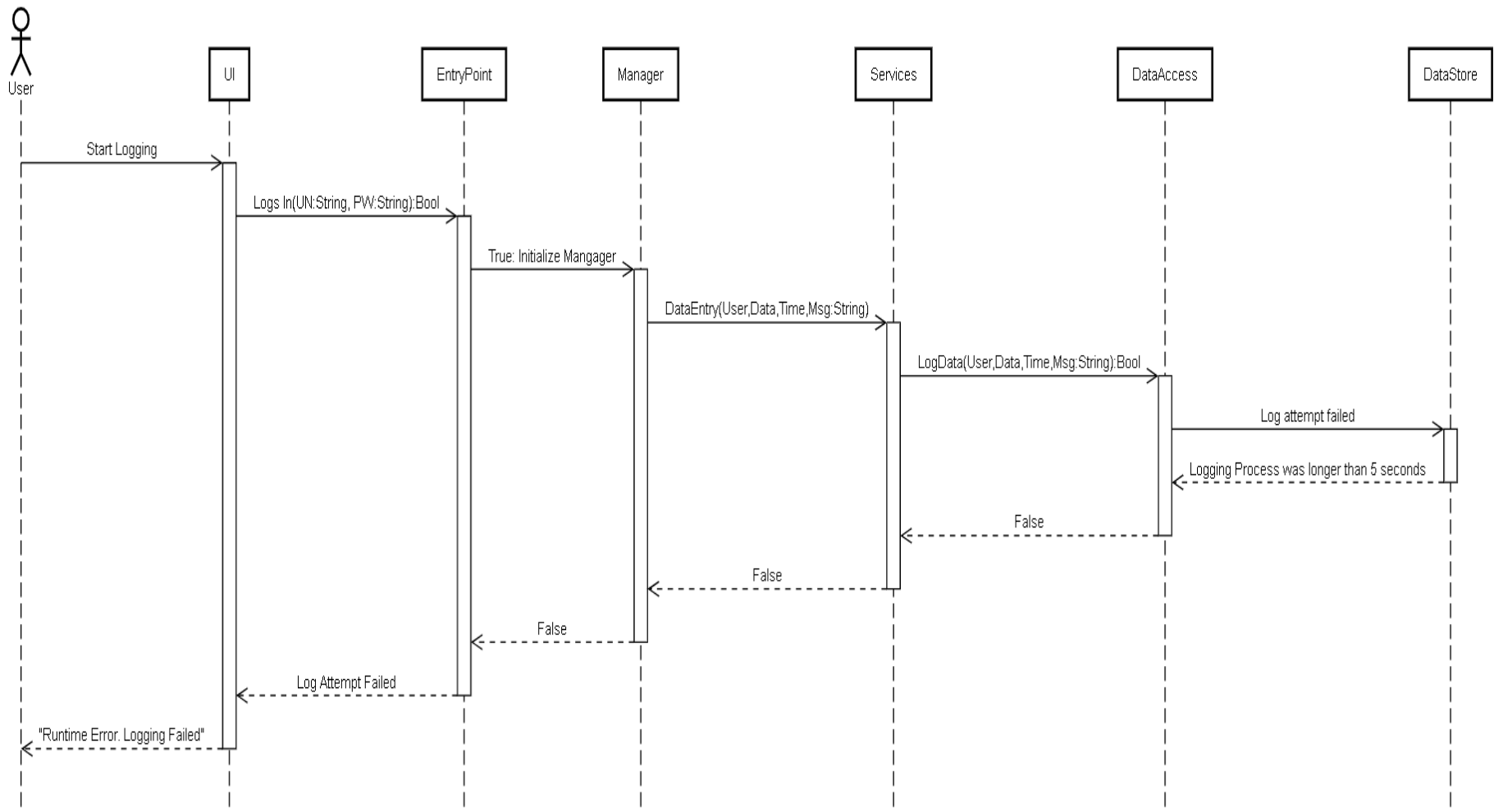


As a User, I want to have my data stored, but I communicating directly with the Backend.

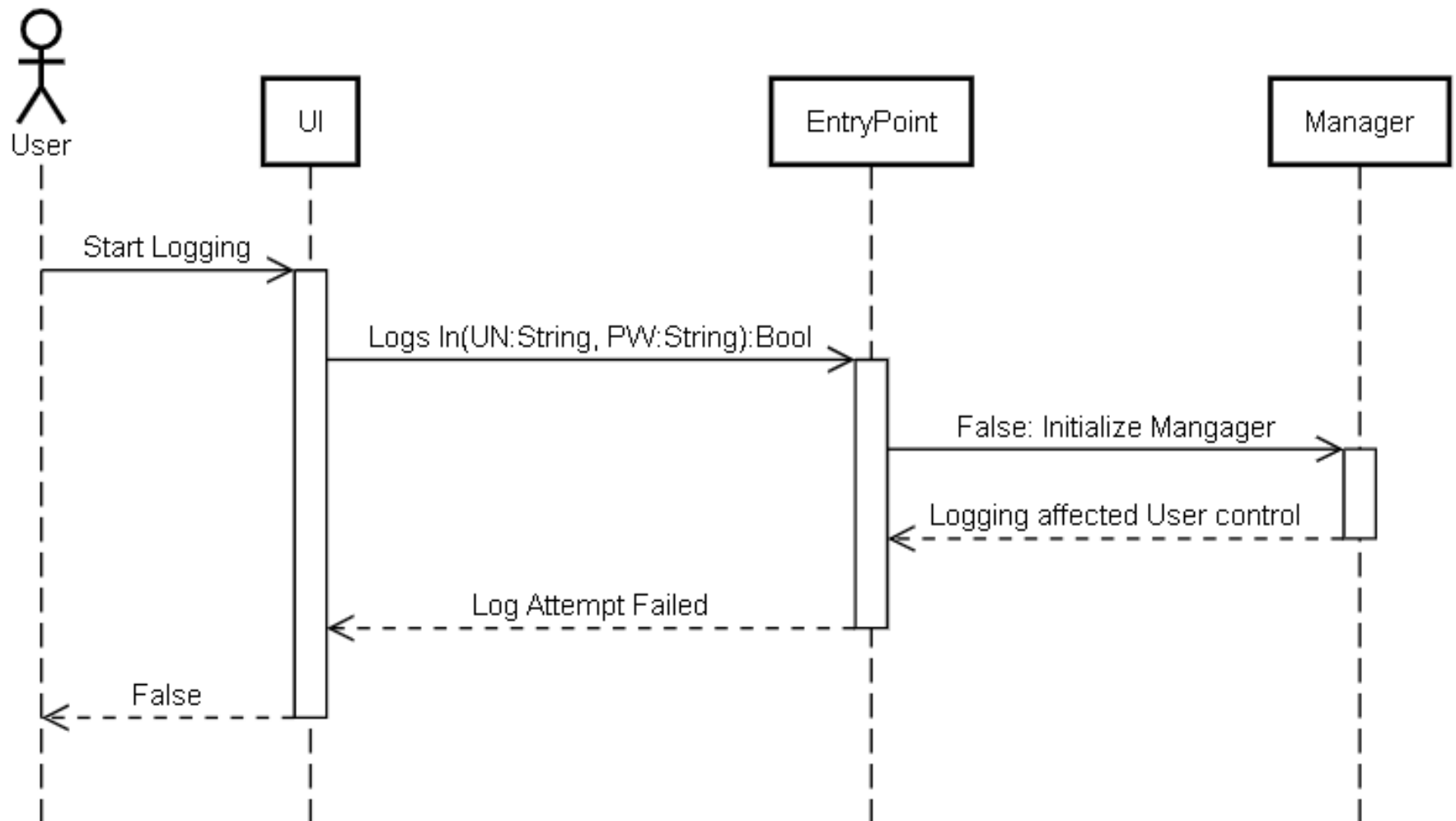


## Core Component Failure Conditions

As a System, I want to Log, but the process took longer than 5 seconds

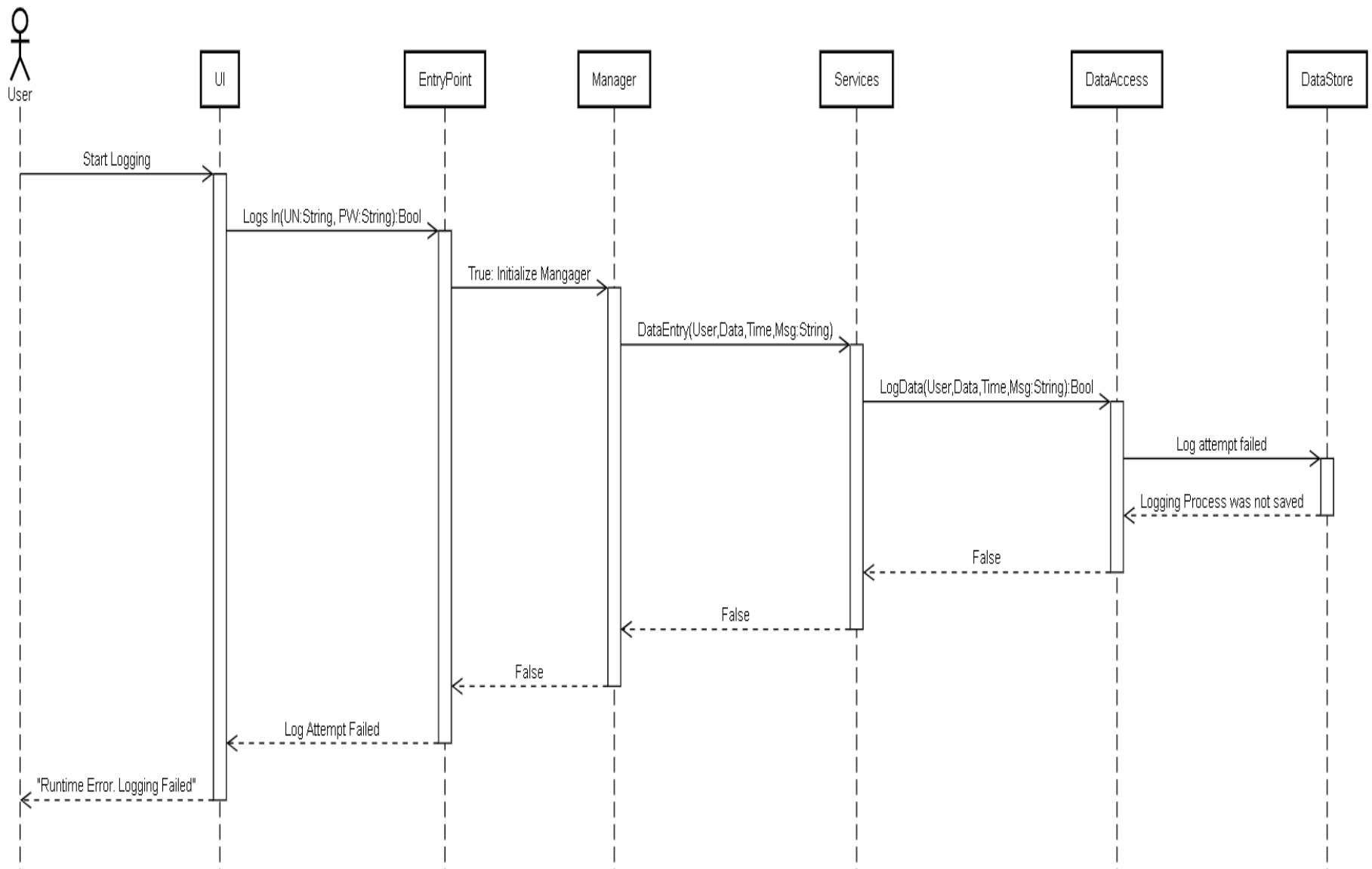


As a User, I want to Log, but I cannot interact with the system.

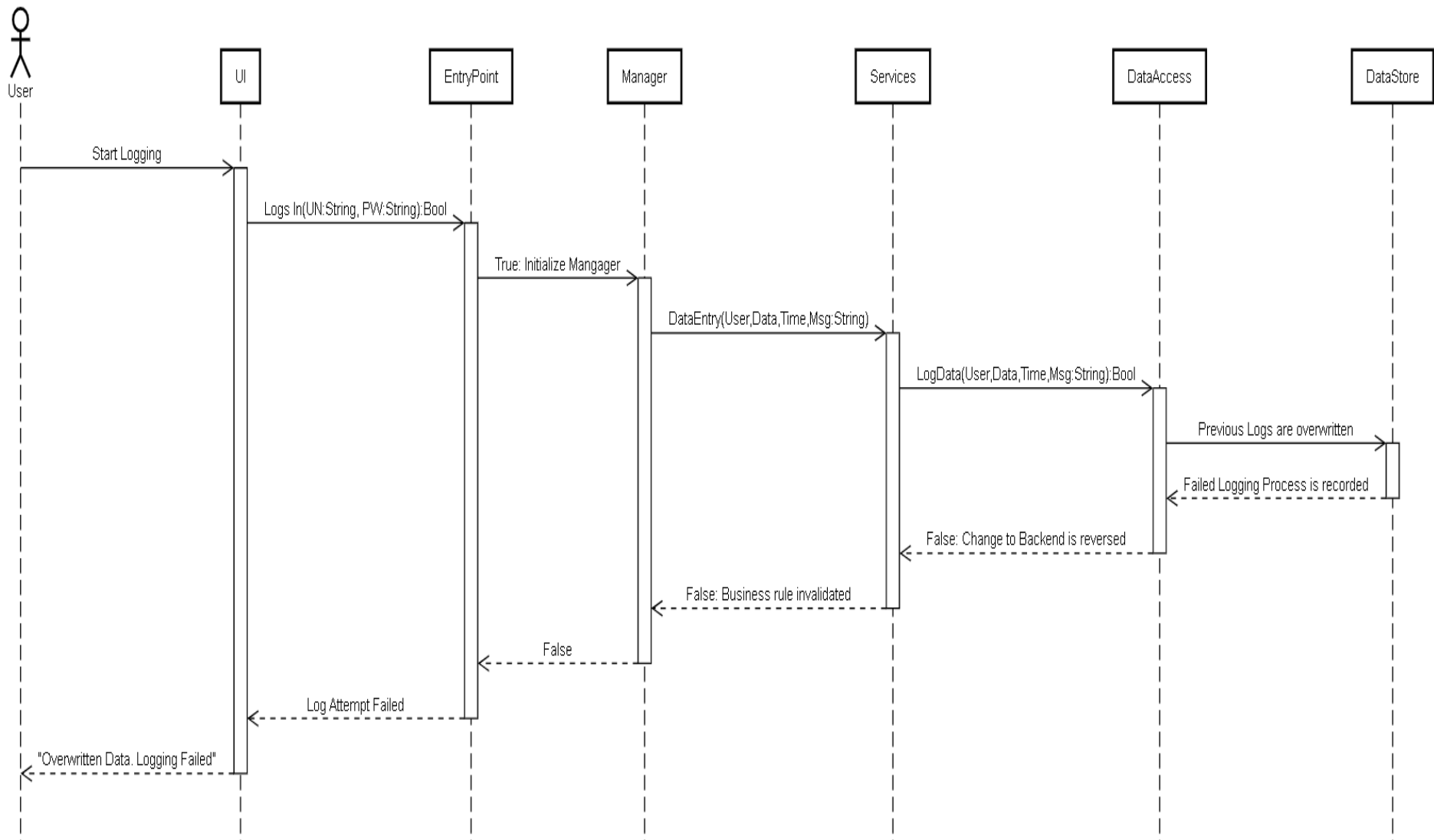




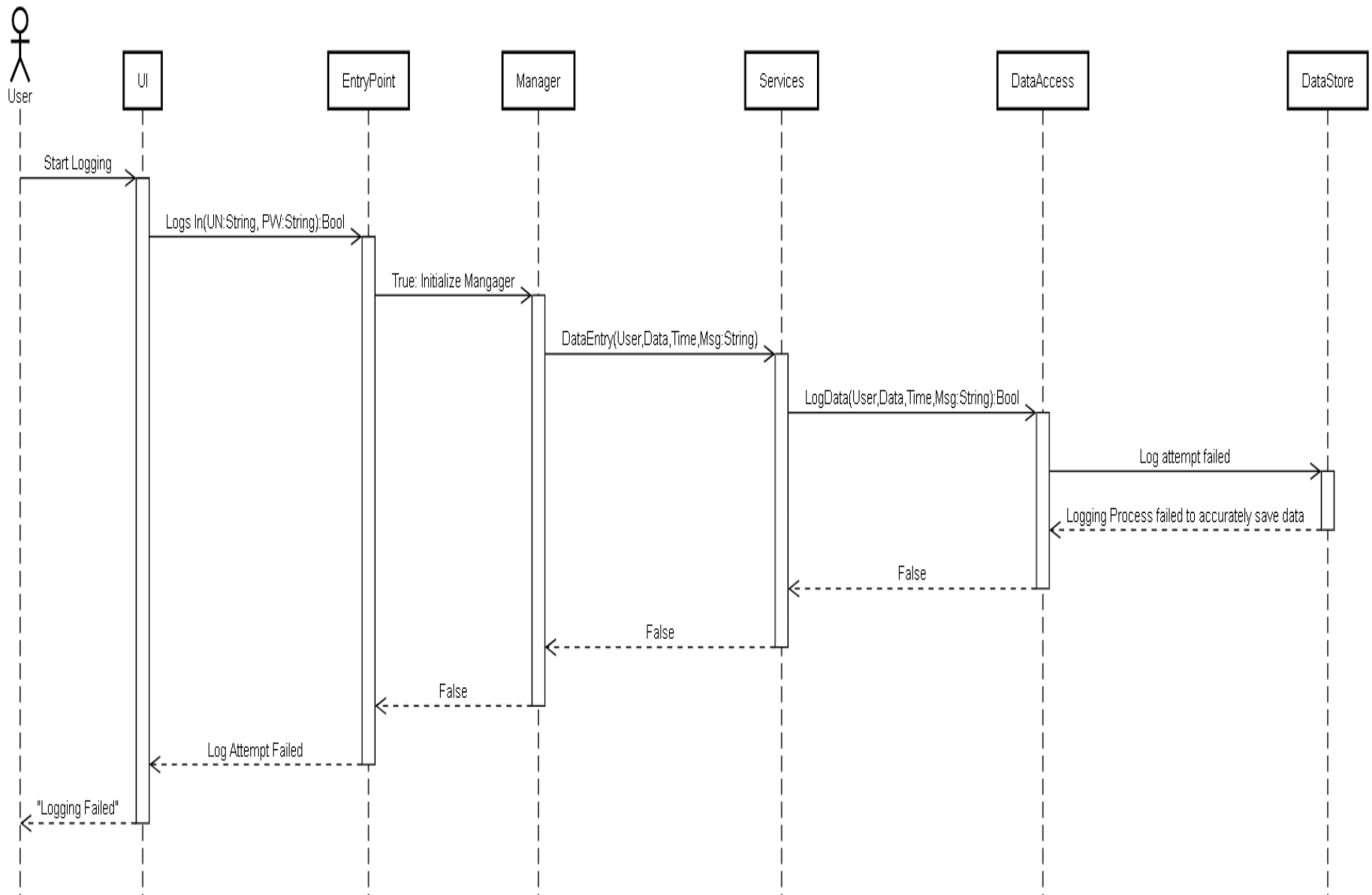
As a System, I want to Log, but the process did not save to the data store.



As a System, I want to Log, but previous logs are modifiable.

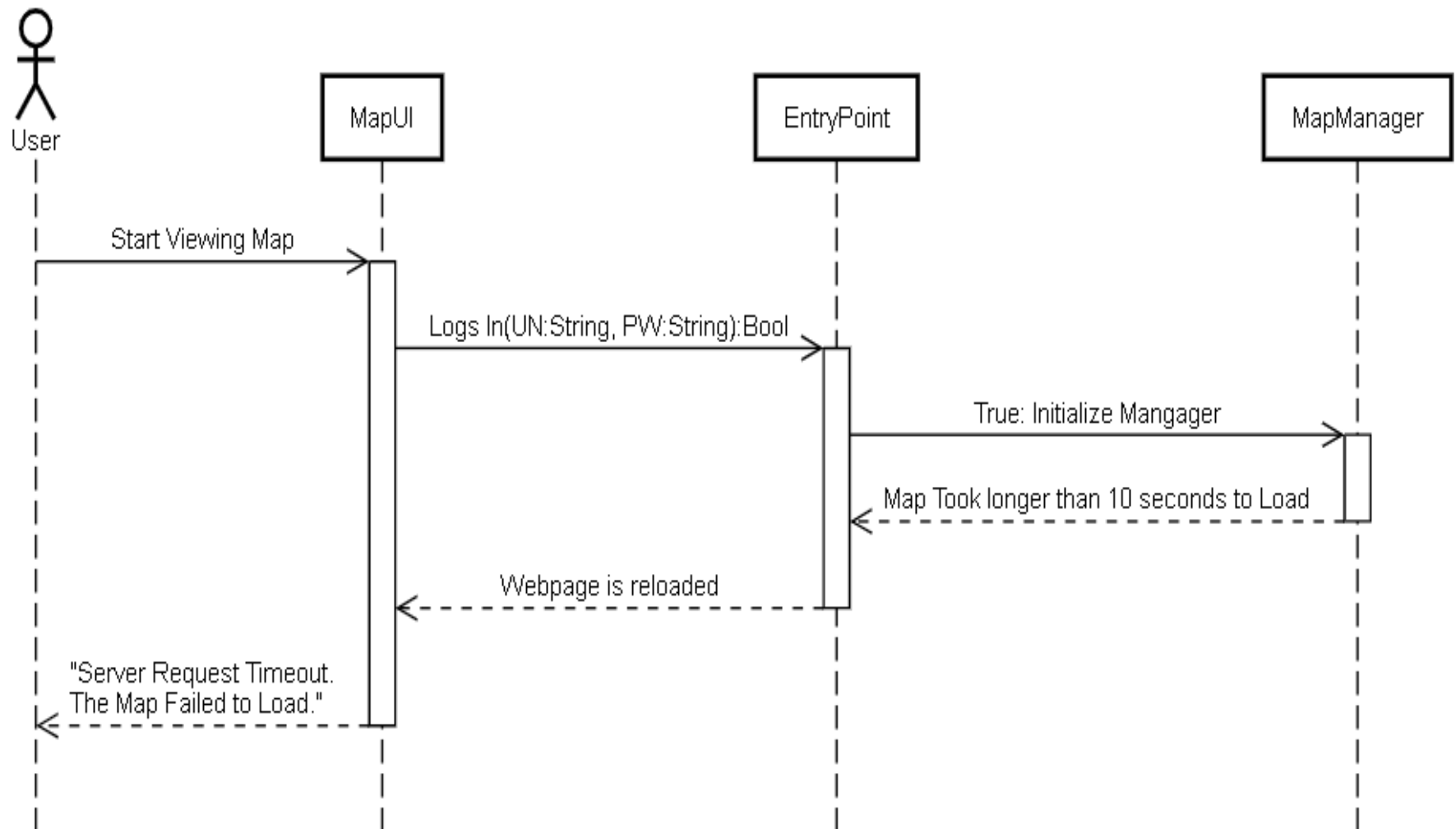


As a System, I want to Log, but the process did not accurately save all data.

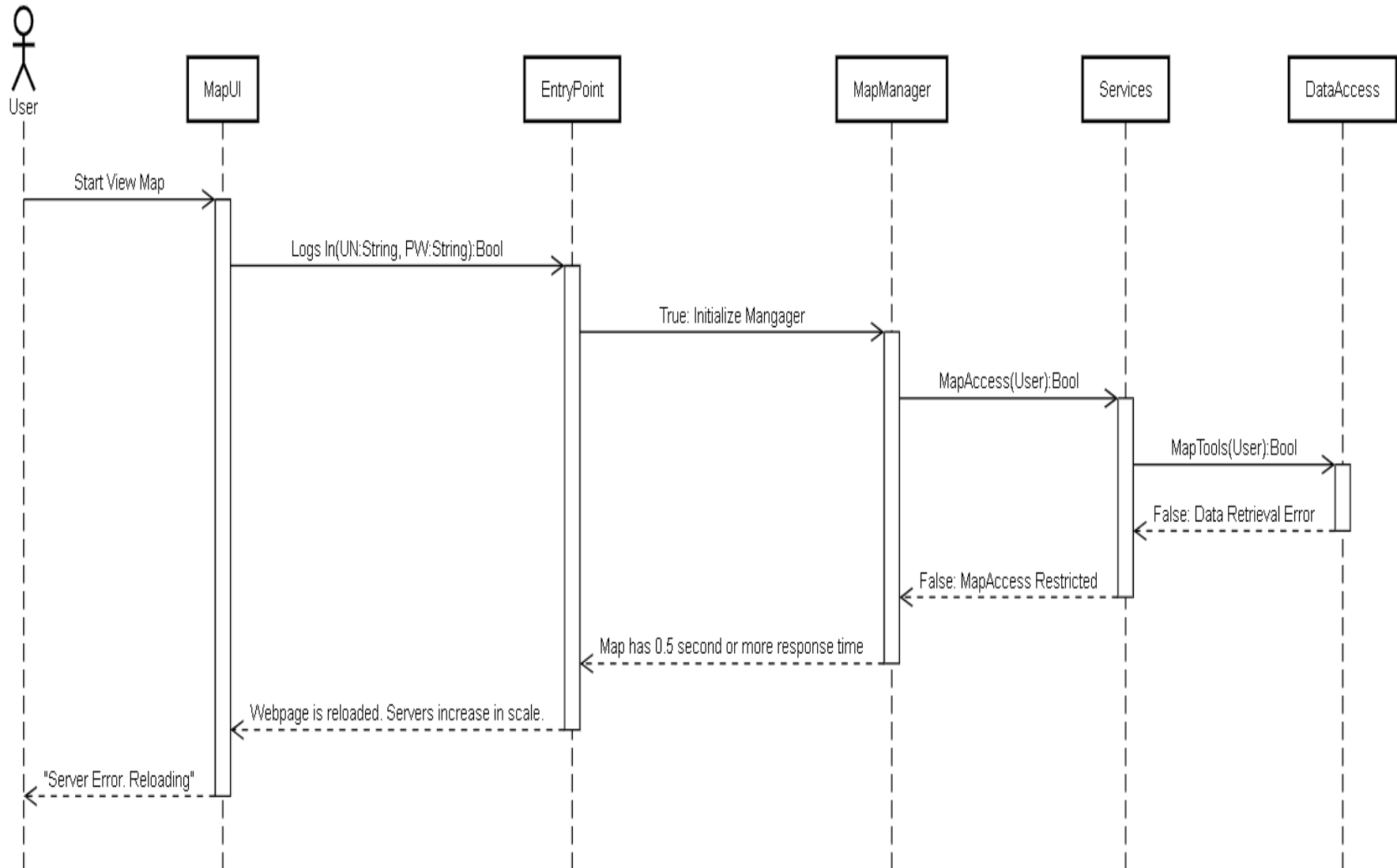


**Litter Map Failure Conditions**

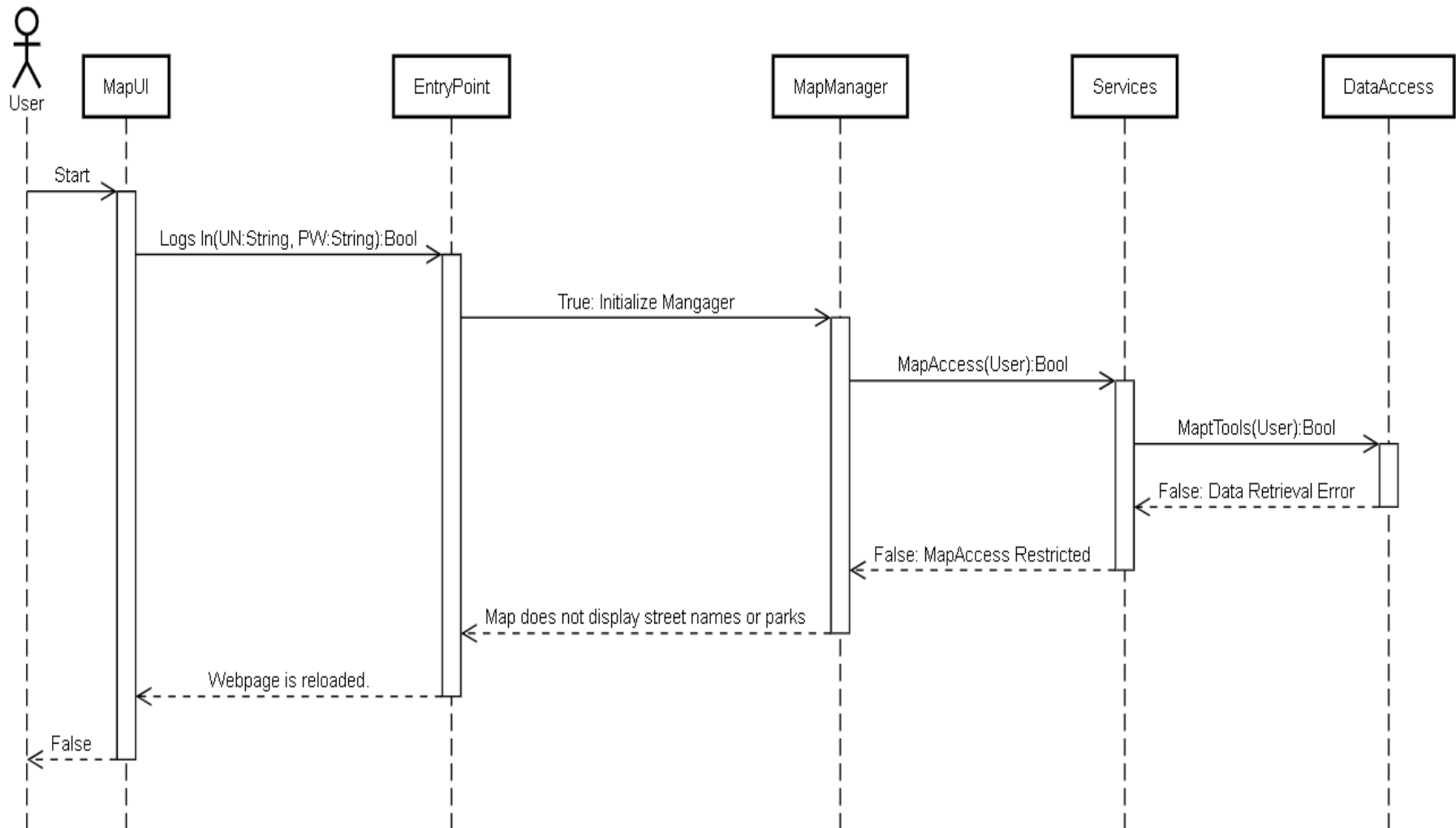
As a User, I want to load the litter map, but the map took longer than 10 seconds to load.



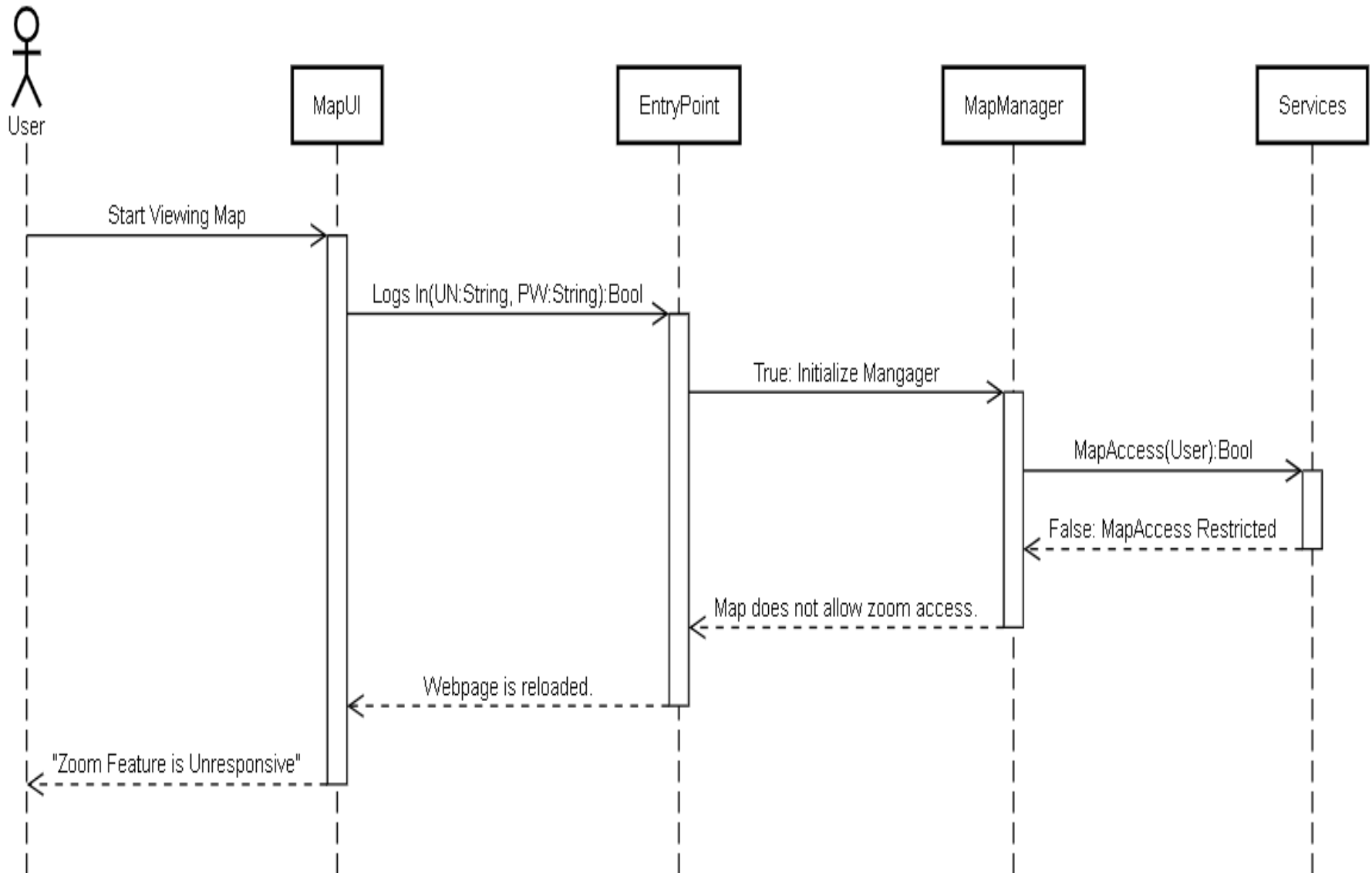
As a User, I want to view a Litter Map, but the Map has a poor response time of 0.5 seconds.



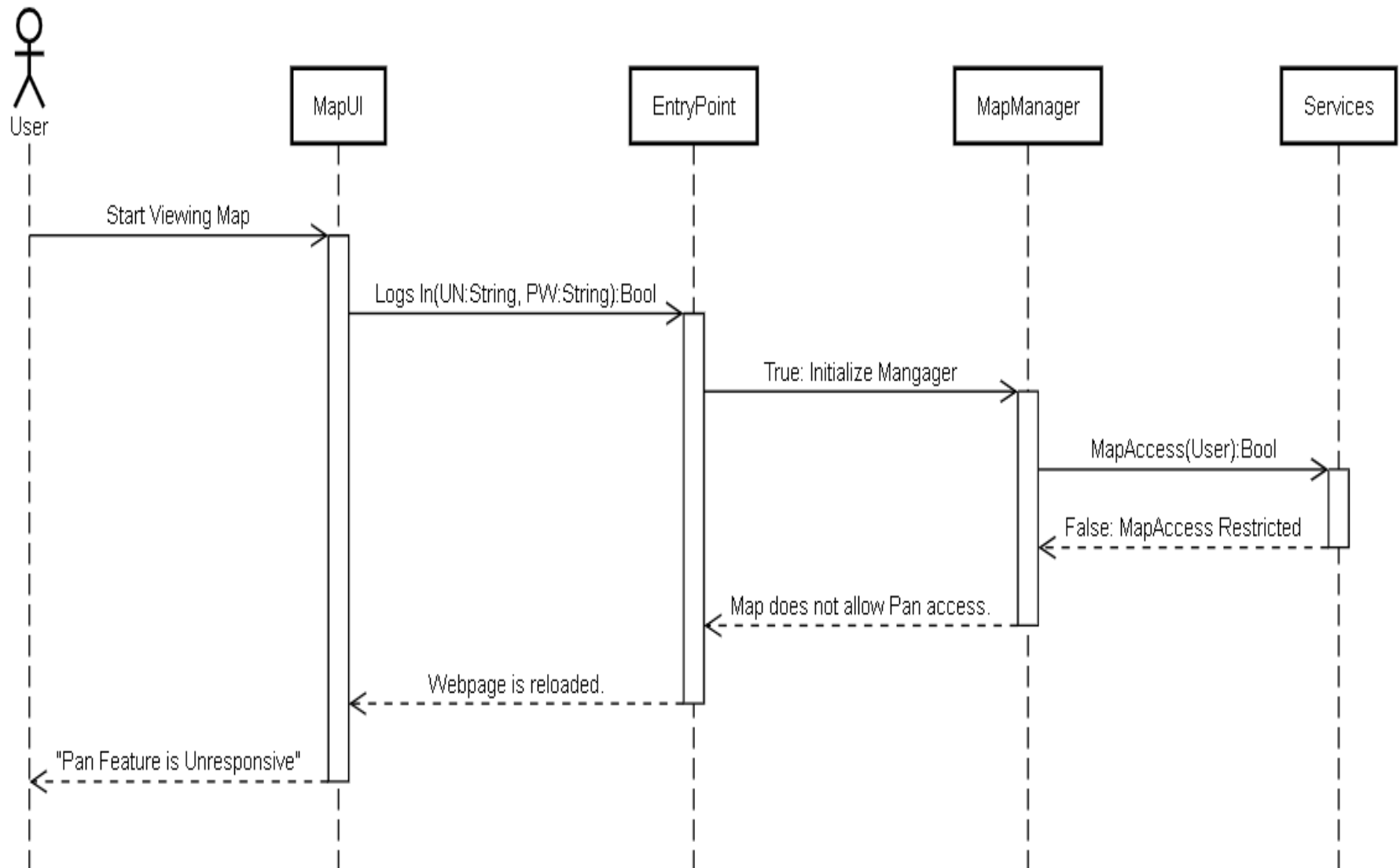
As a User, I want to view a Litter Map, but the map does not display street names or parks.



As a User, I want to zoom on a map, but the map will not allow me to zoom.



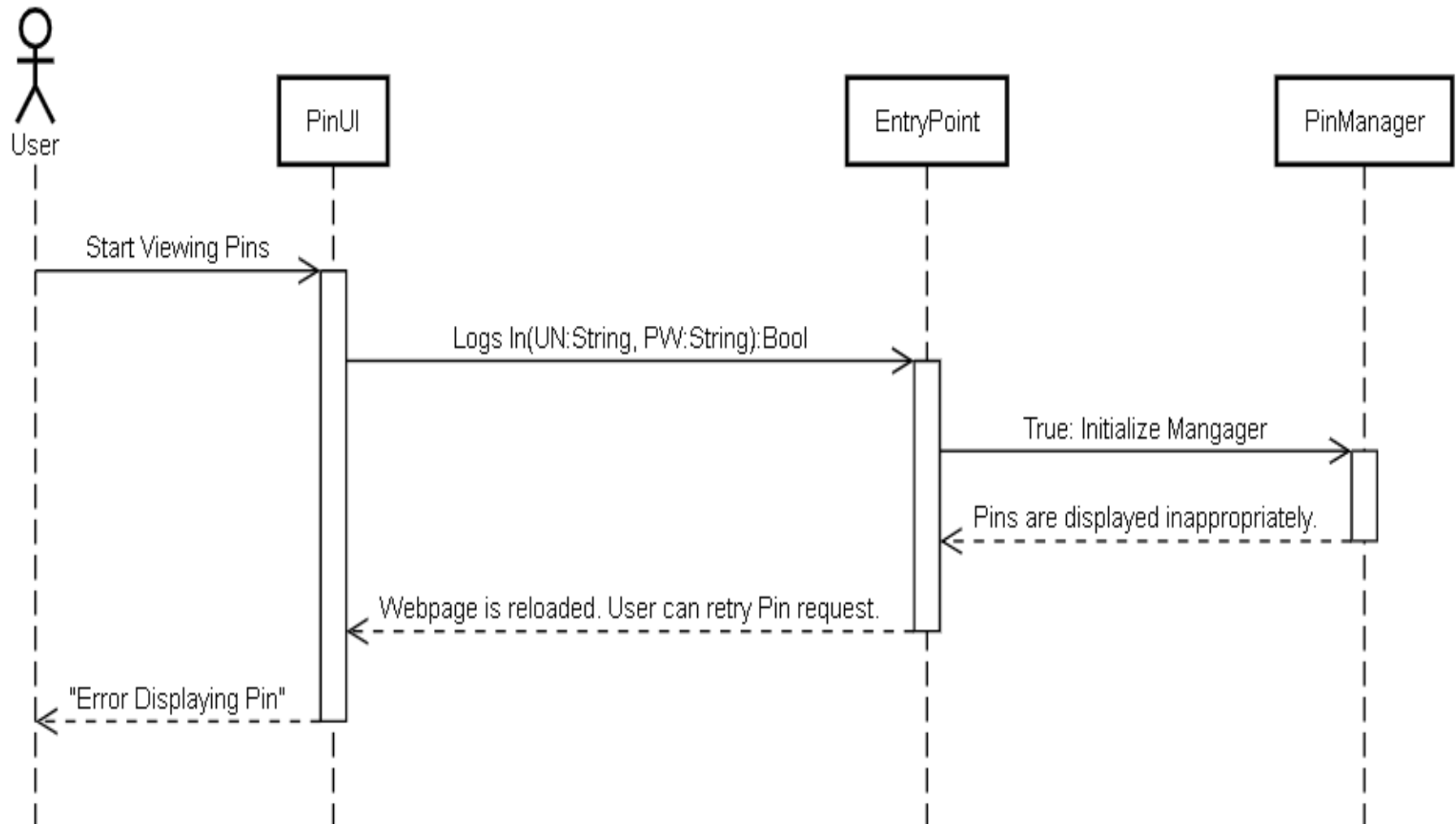
As a User, I want to pan on a Map, but I am unable to pan.



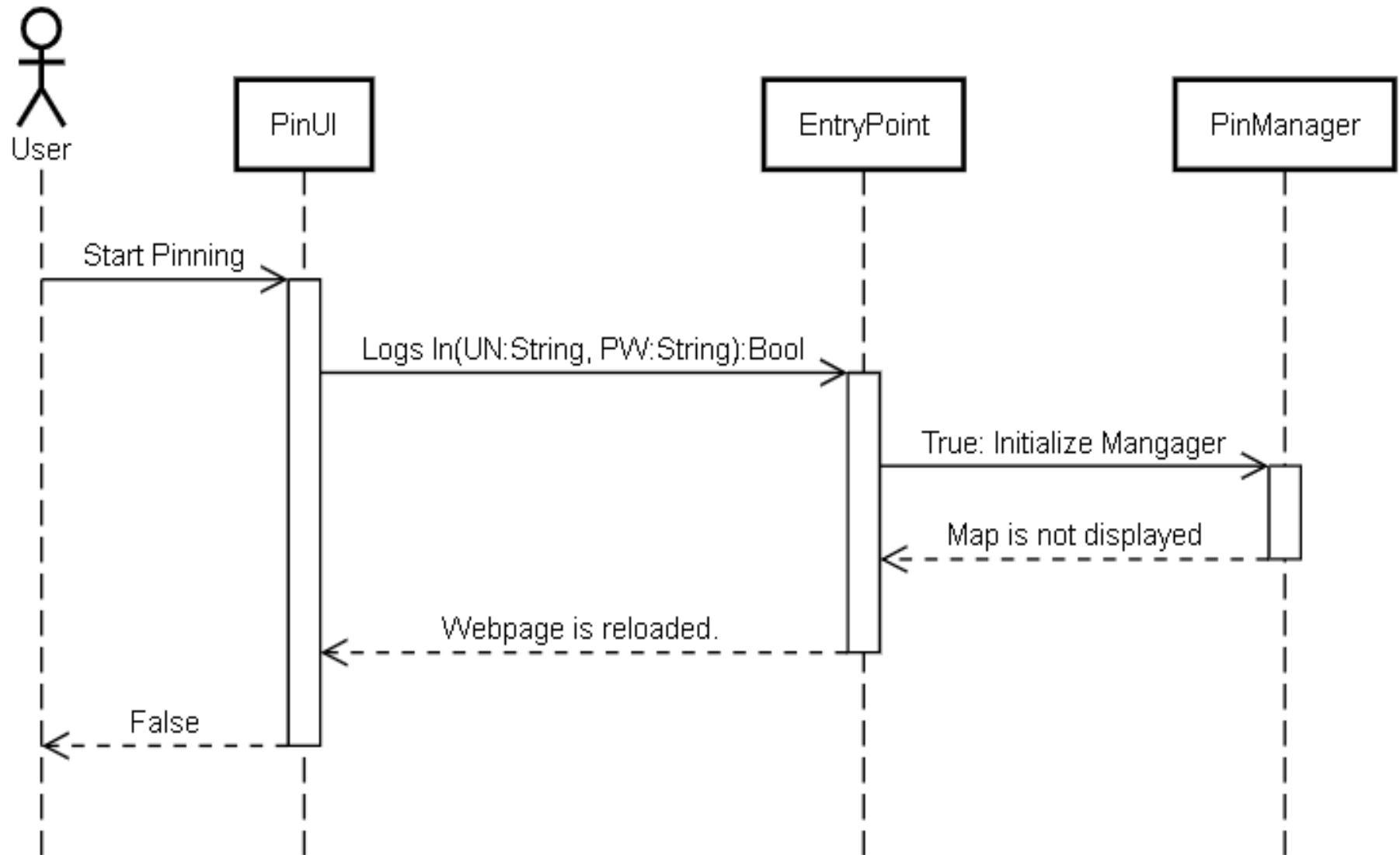


**Pinning Failure Conditions**

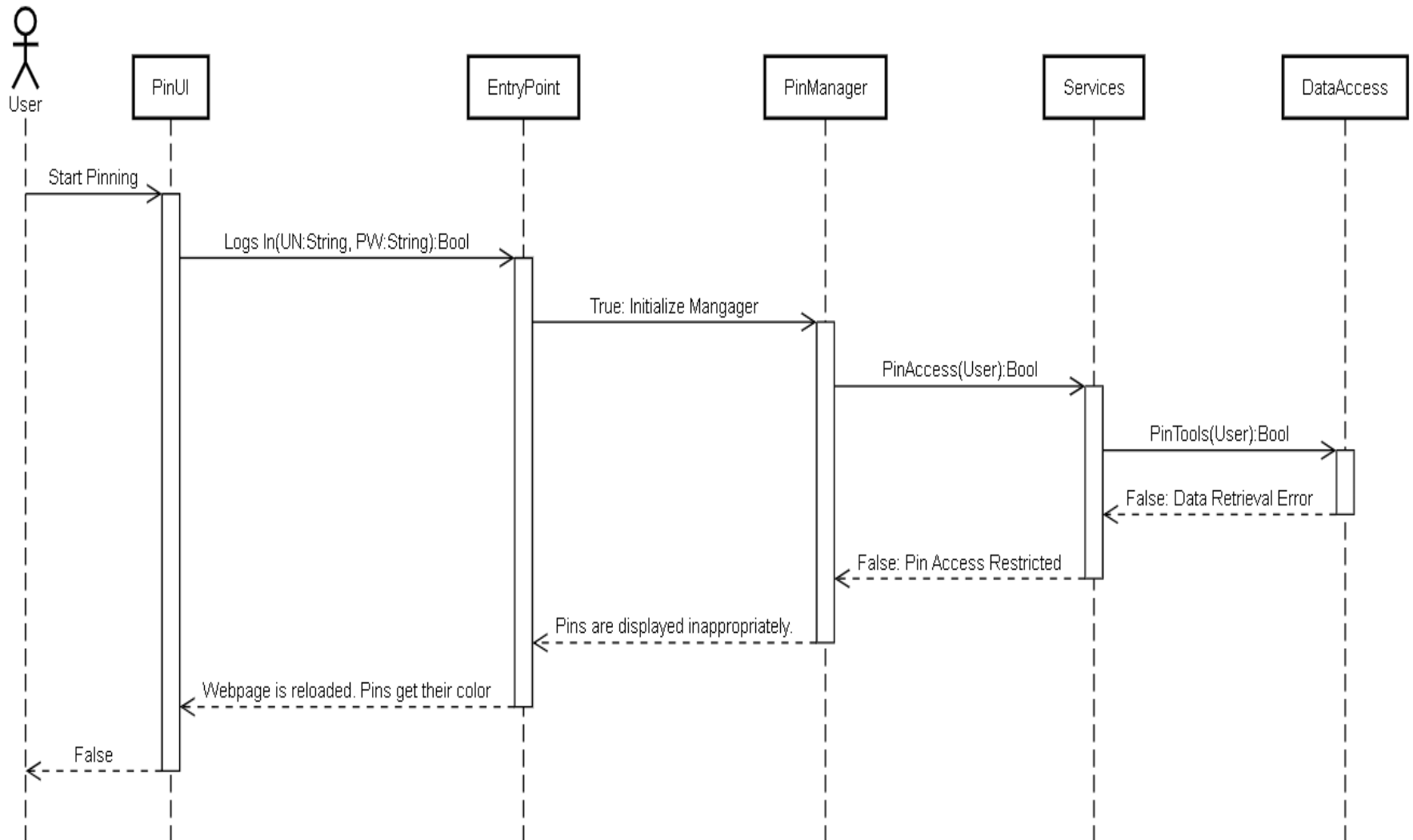
As a User, I want to view Pins, but the system displays the Pins inappropriately.



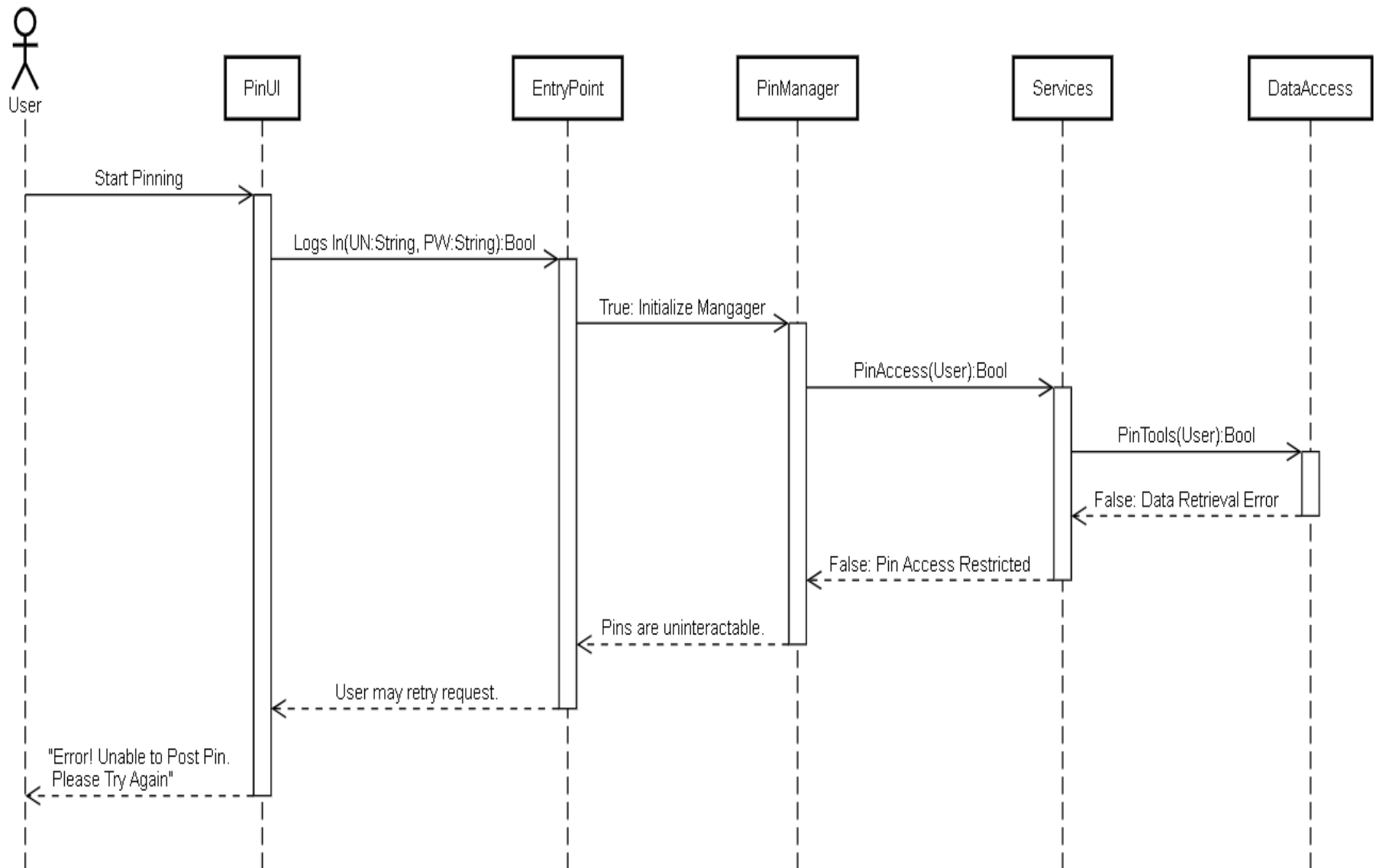
As a User, I want to post Pins, but the map is unviewable.



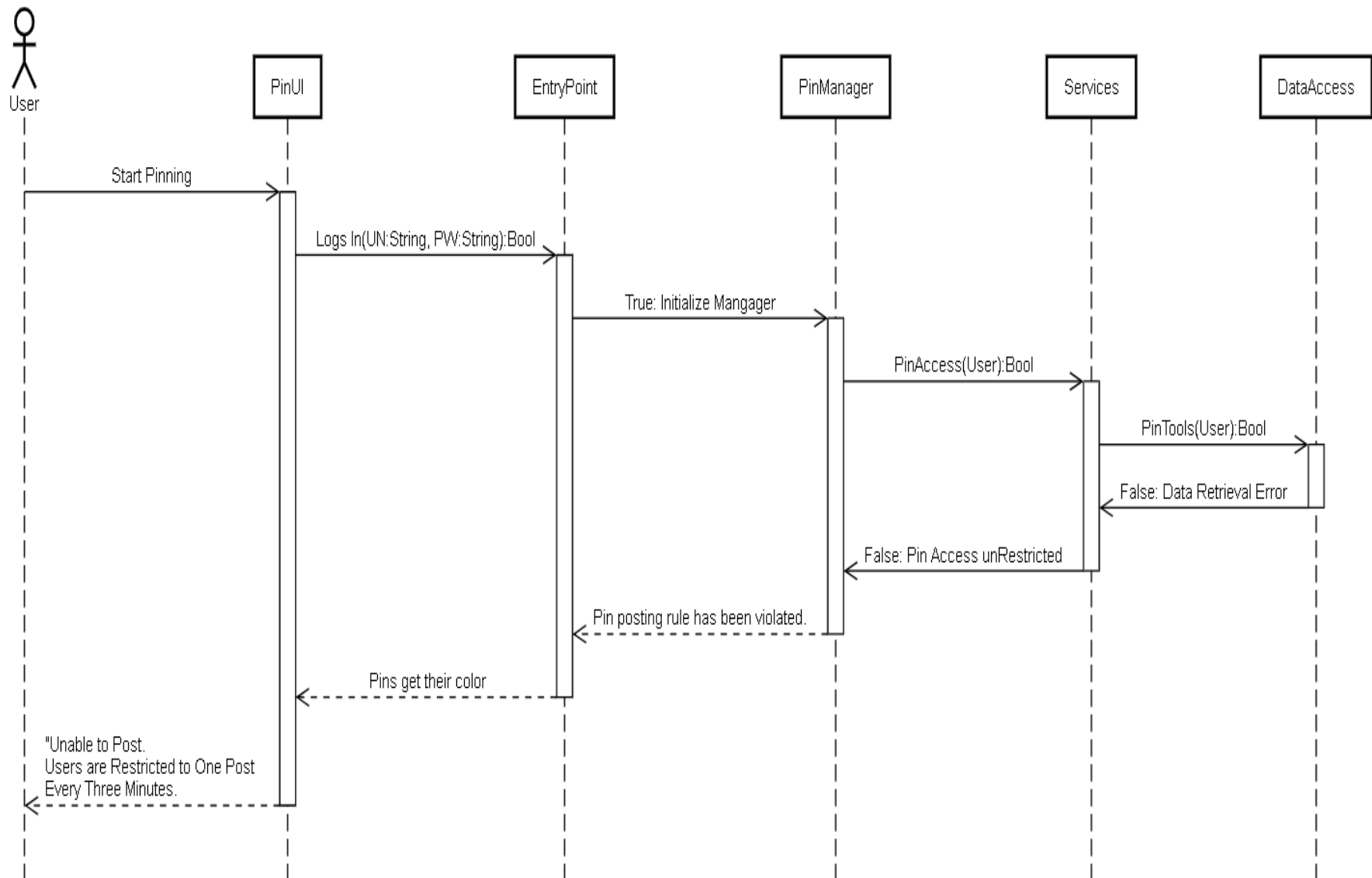
As a User, I want to view Pins, but Pins are displayed with an invalid Color.



As a User, I want to post Pins, but I am unable to post Pins.

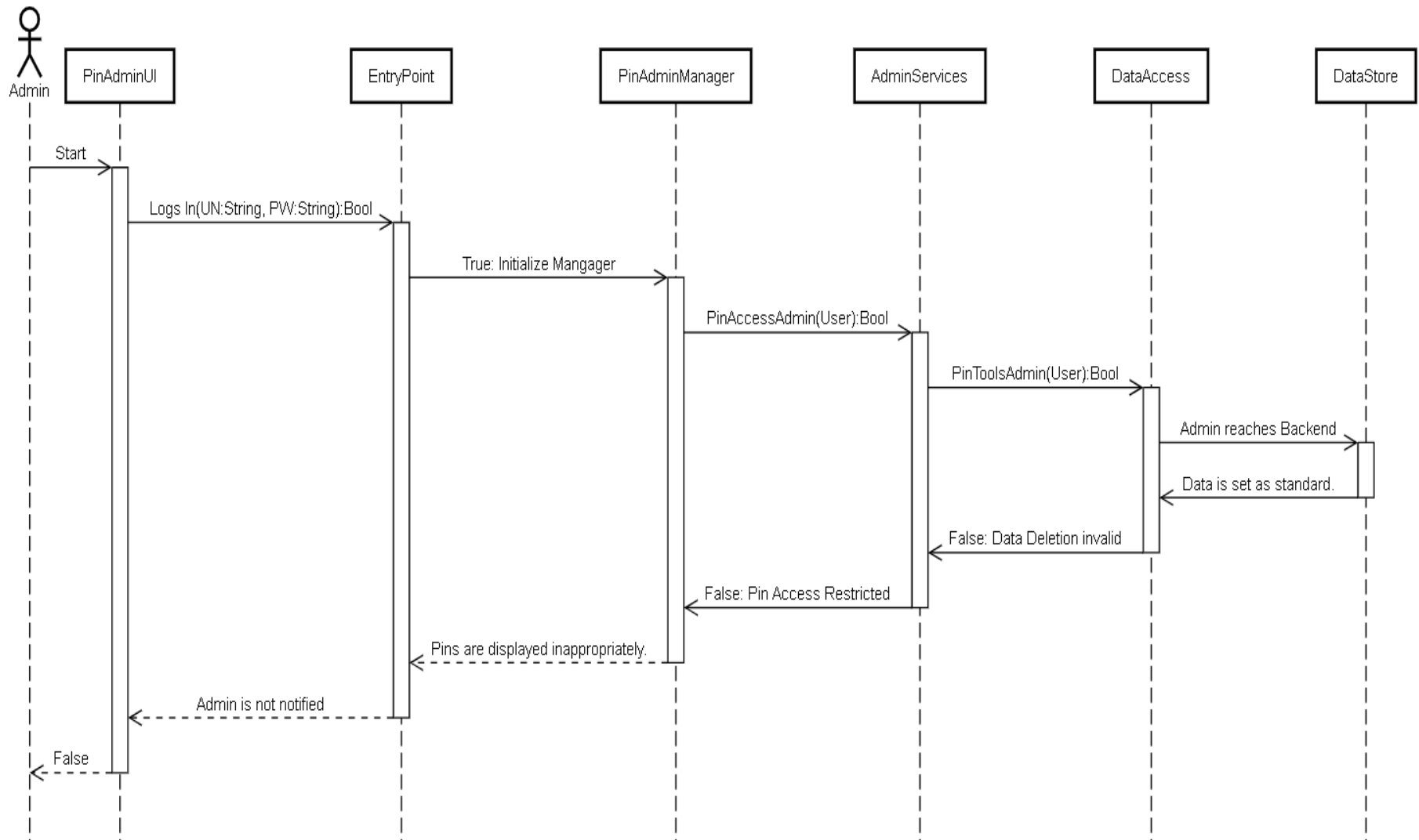


As a User, I want to post Pins, but the system allowed me to pin more than once in 3 minutes.



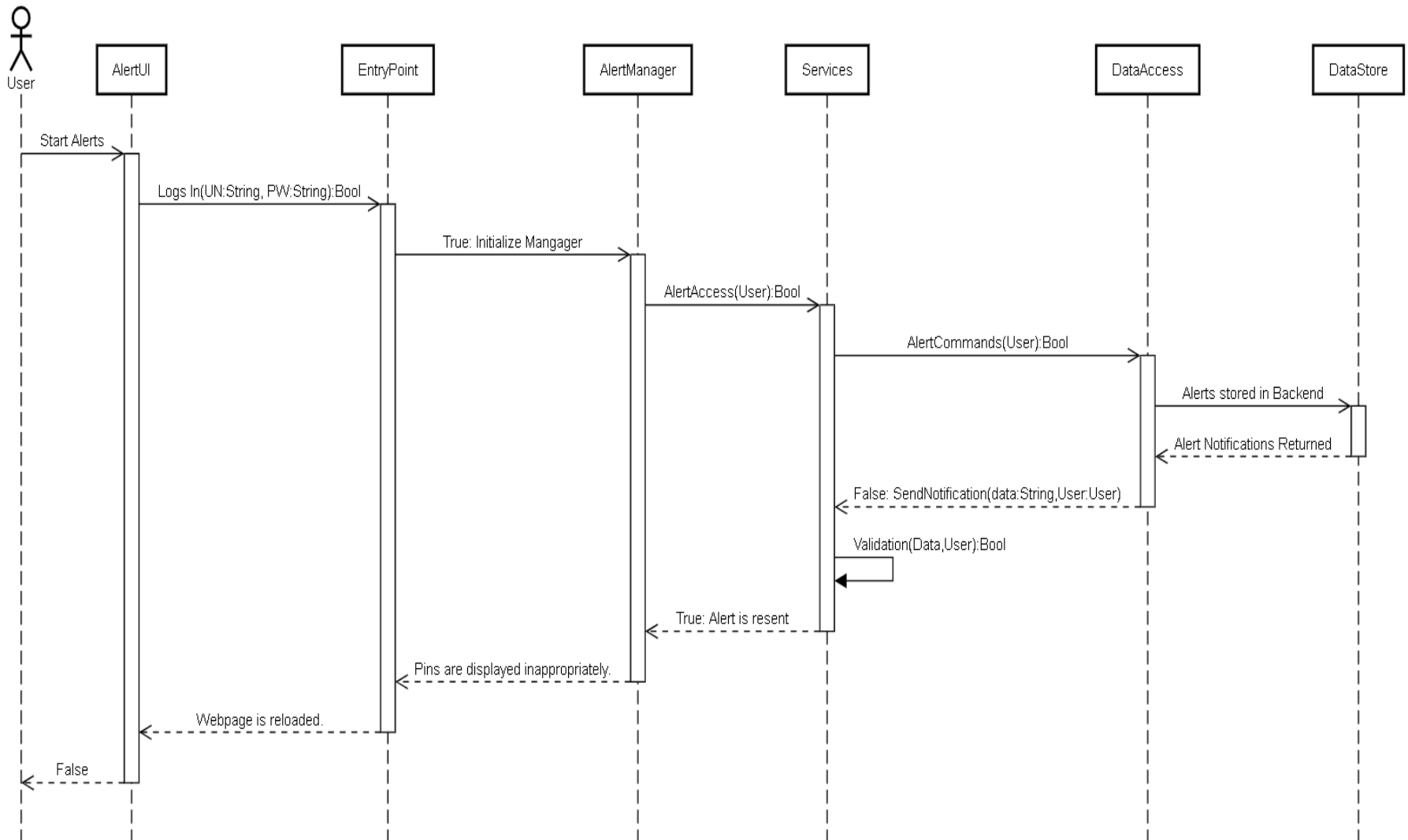
## Pinning(Admin) Failure Conditions

As an Admin, I want to view a User Profile, but the profile does not display accurate data.

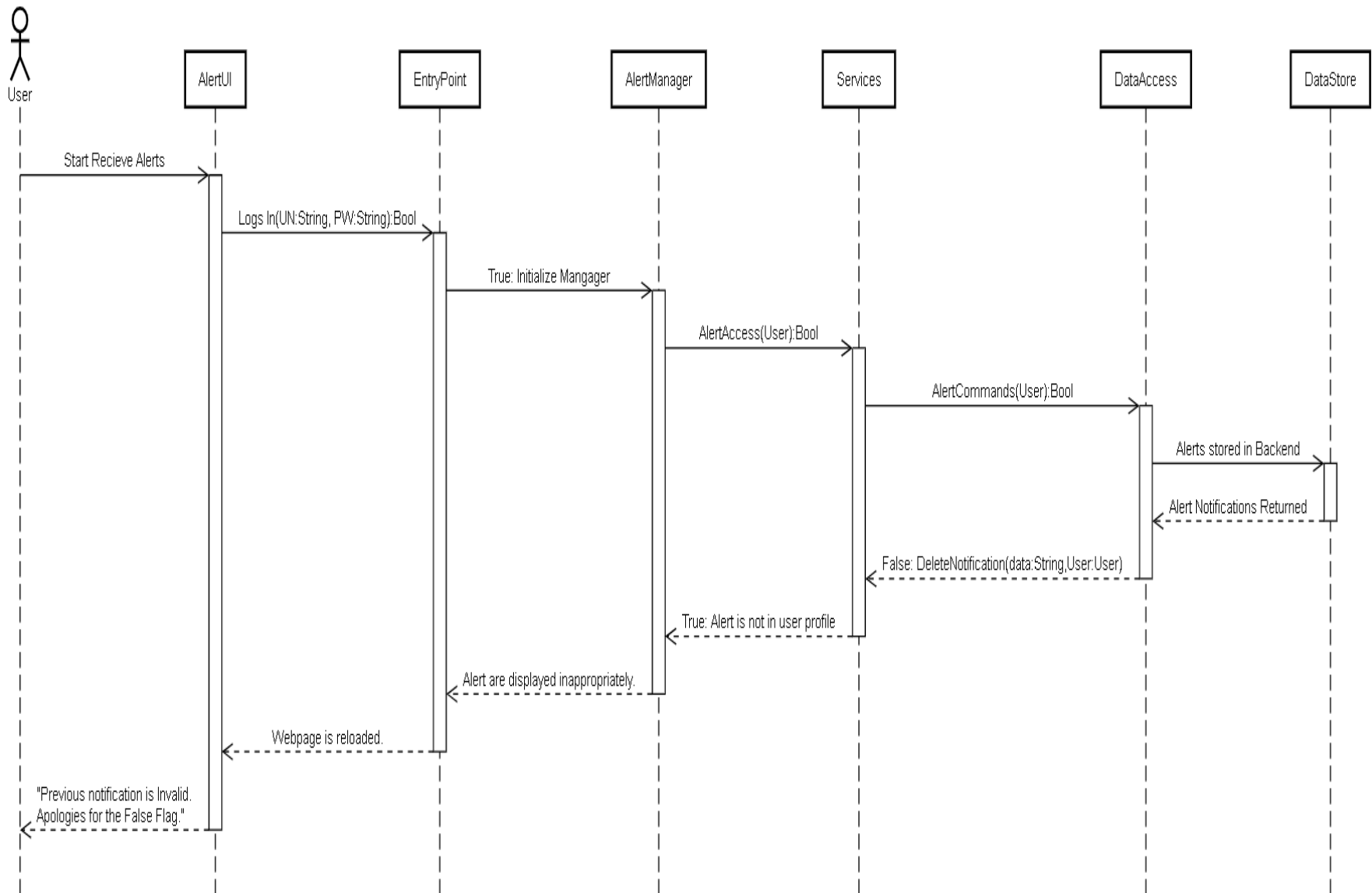


## Alerts Failure Conditions

As a User, I want to receive Alerts, but I received Alerts not meant for me.

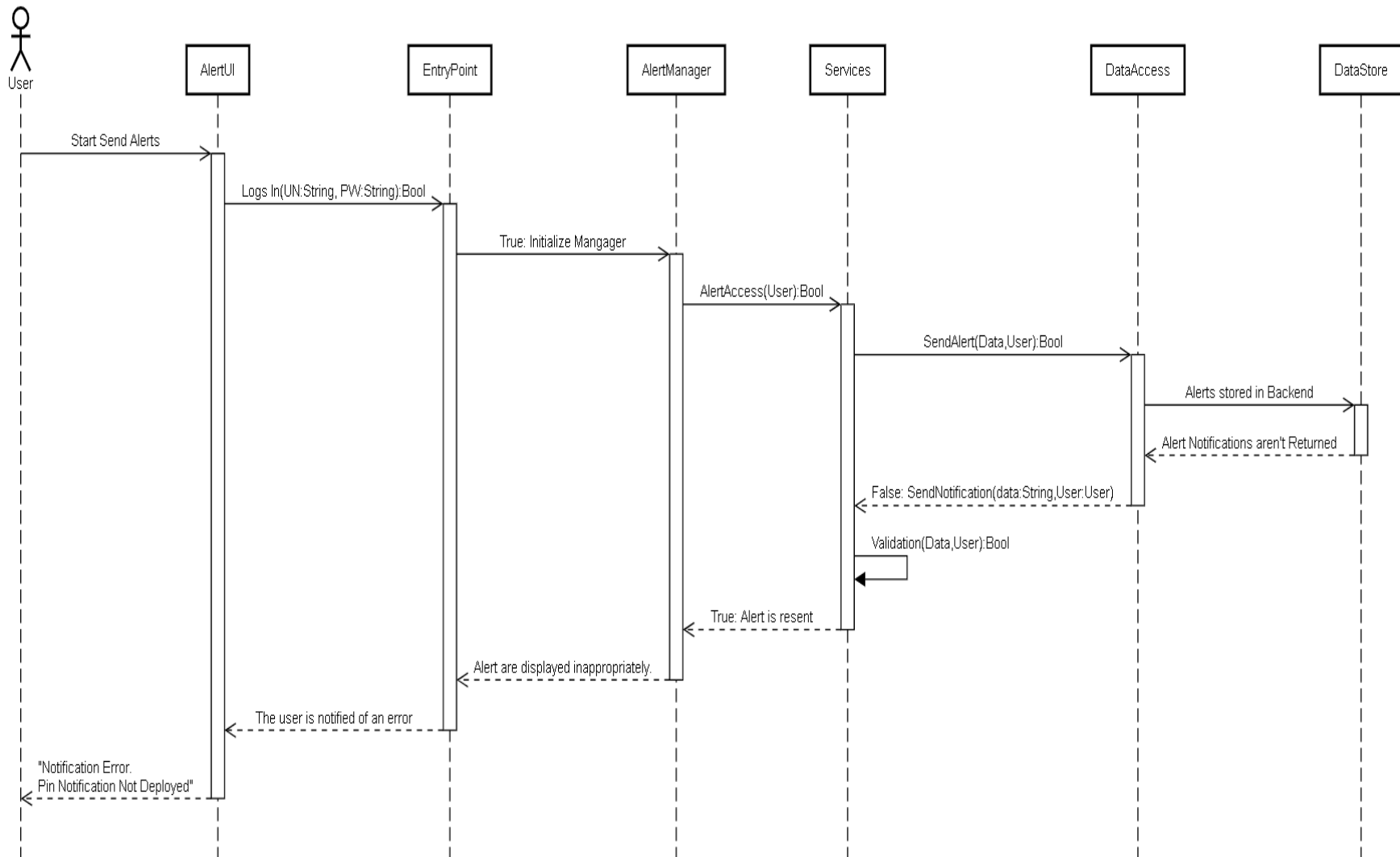


As a User, I want to receive Alerts, but I receive Alerts to pins I did not accept notifications from.

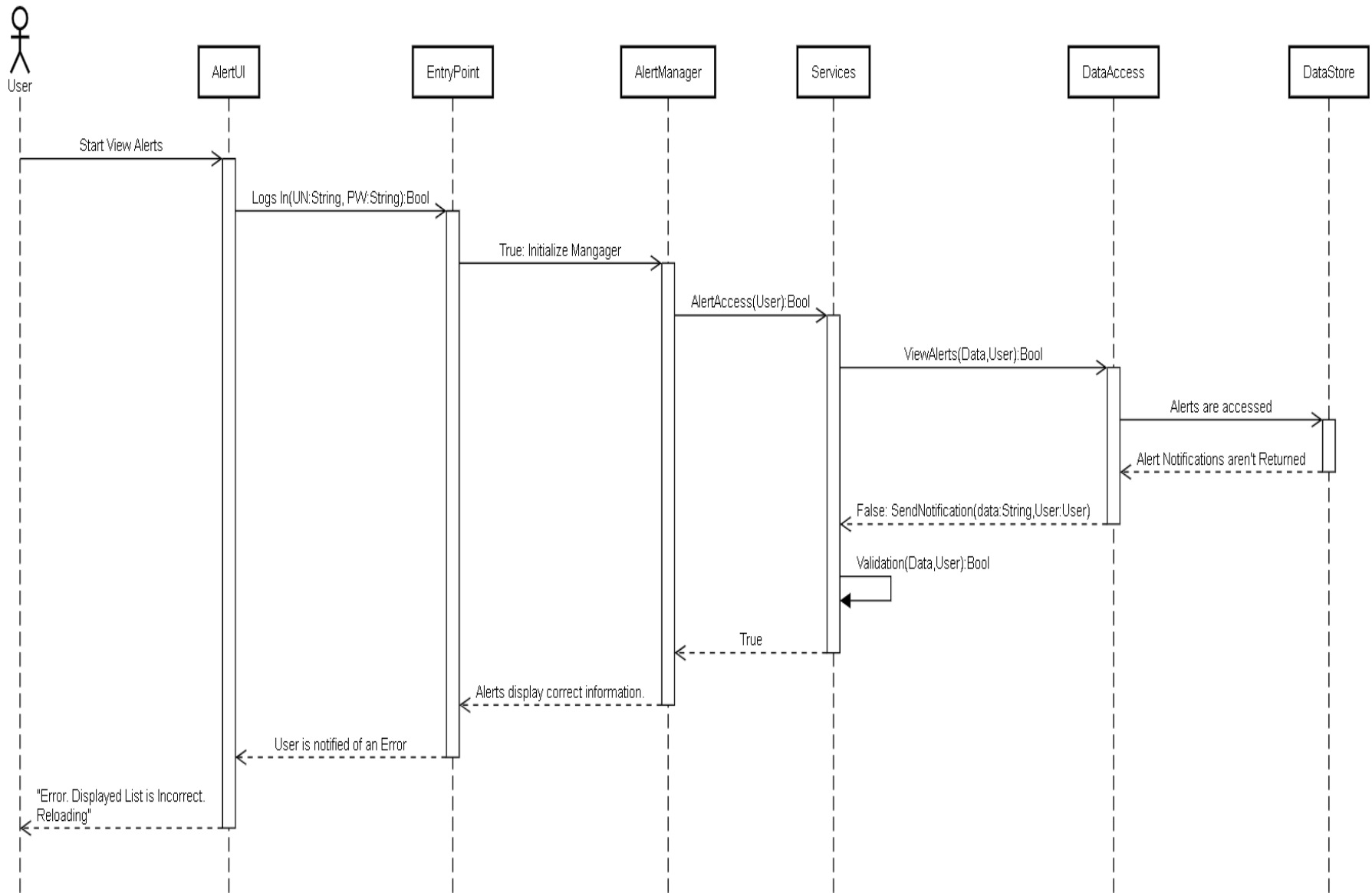




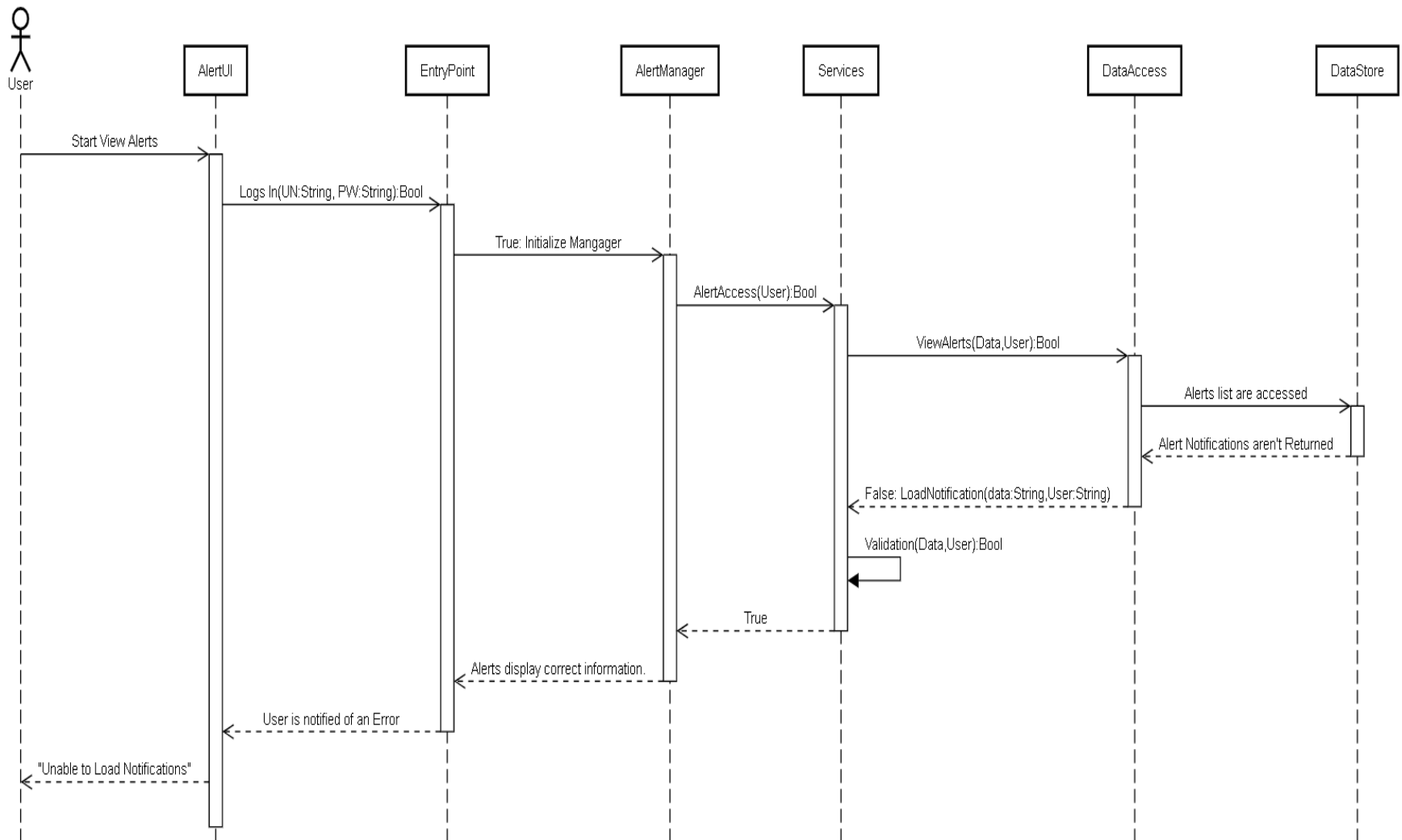
As a User, I want my pins to Alert other Users, but the alert never deploys.



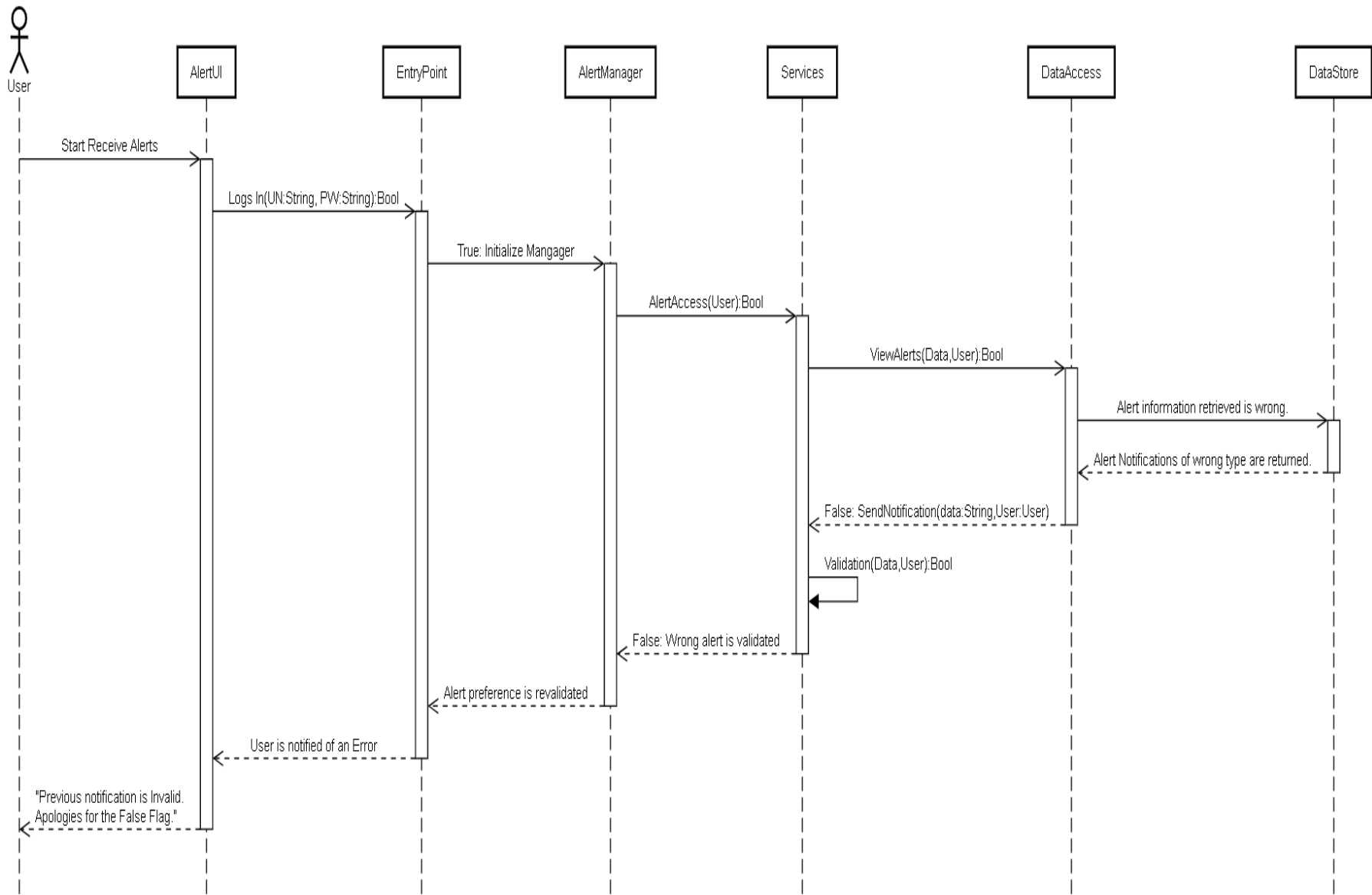
As a User, I want to have a list of notifications, but it does not show the correct notifications.



As a User, I want to view a list of notifications, but the list will not display.

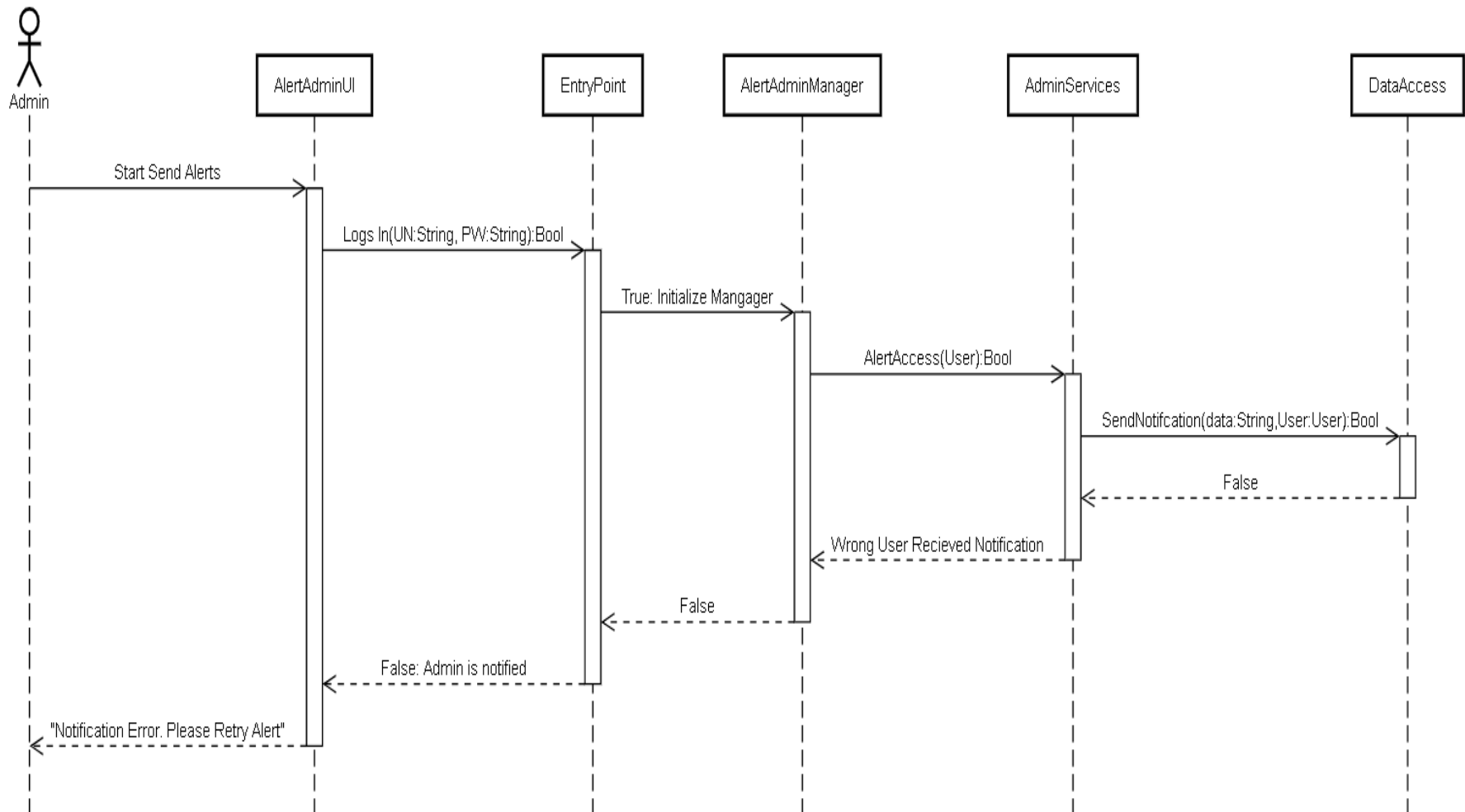


As a User, I want to receive alerts, but I receive alerts of the wrong type.

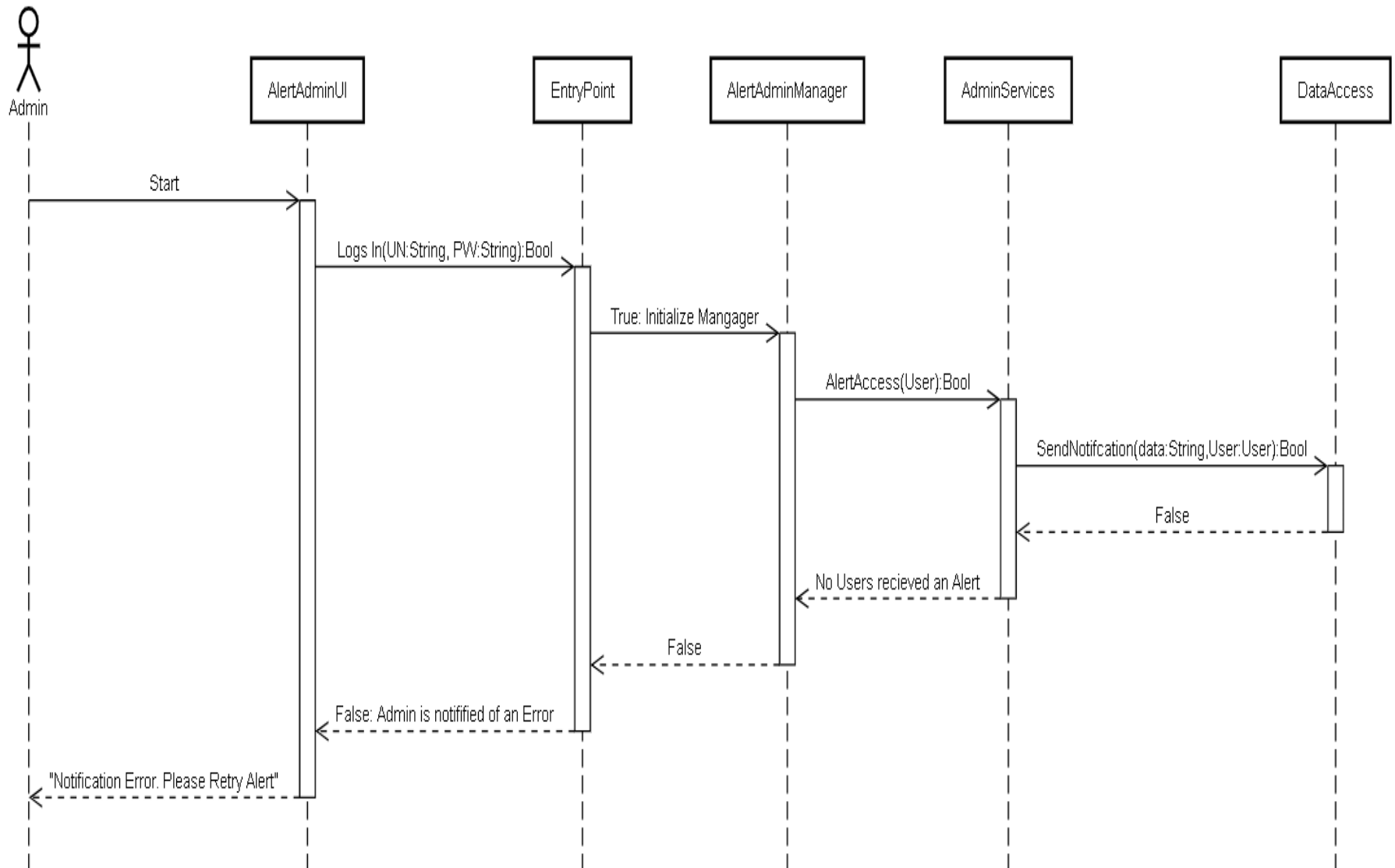


## Alerts(Admin) Failure Conditions

As an Admin, I want to send alerts, but the wrong users receive the alert.

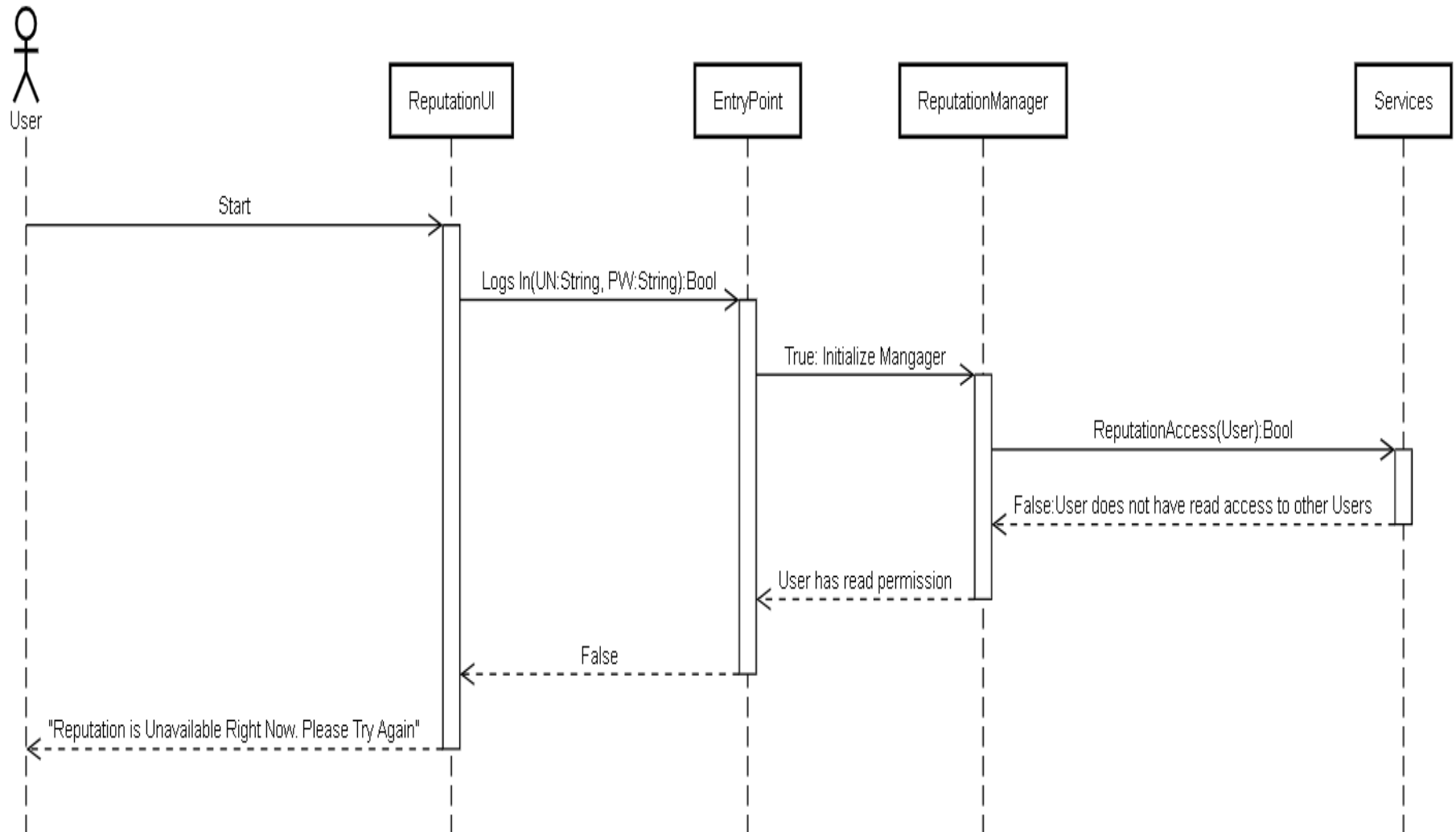


As an Admin, I want to send alerts, but users do not receive the alert.

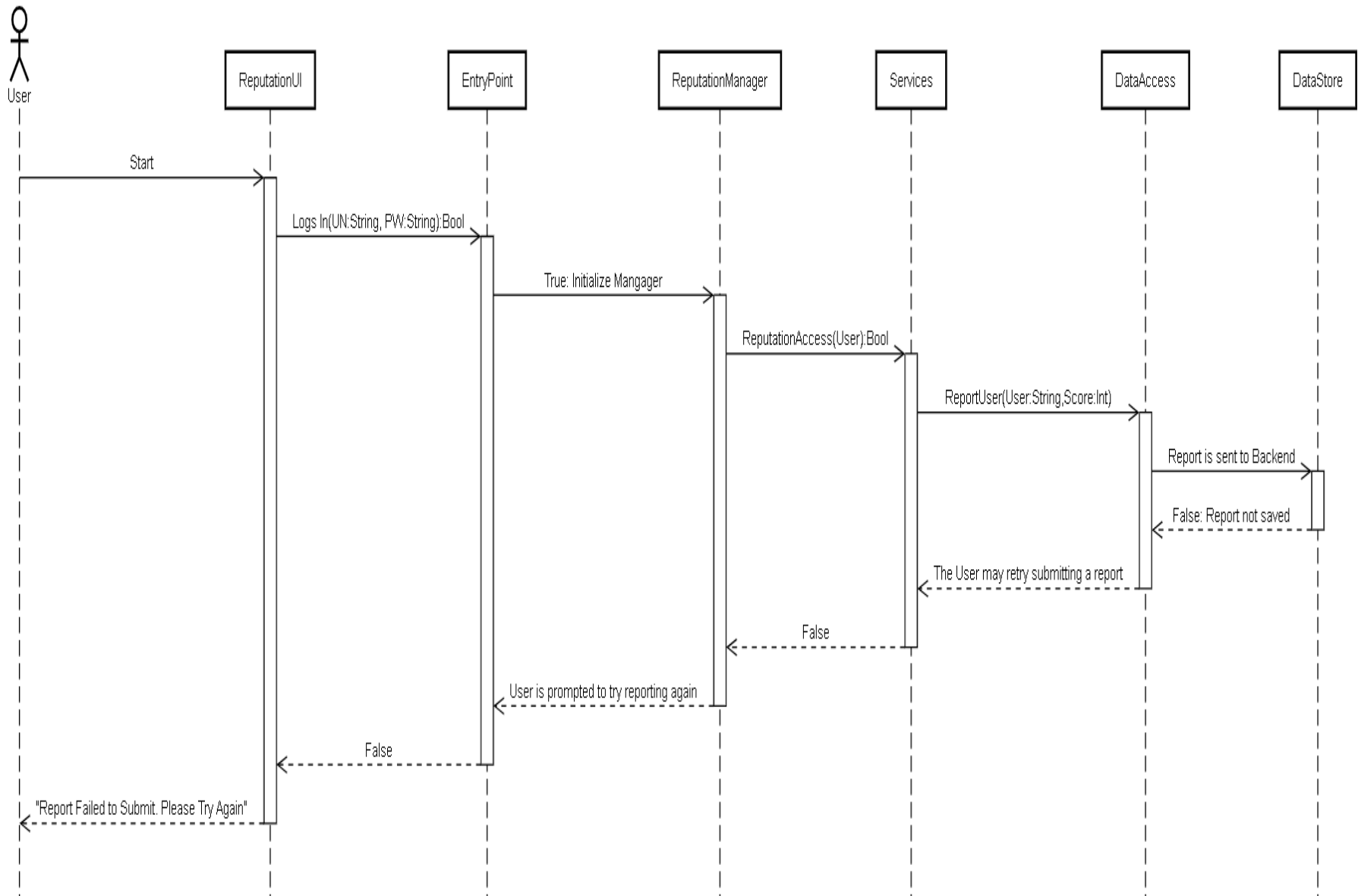


## Reputation Failure Conditions

As a User, I want to view the reputation of other users, but I am unable to.

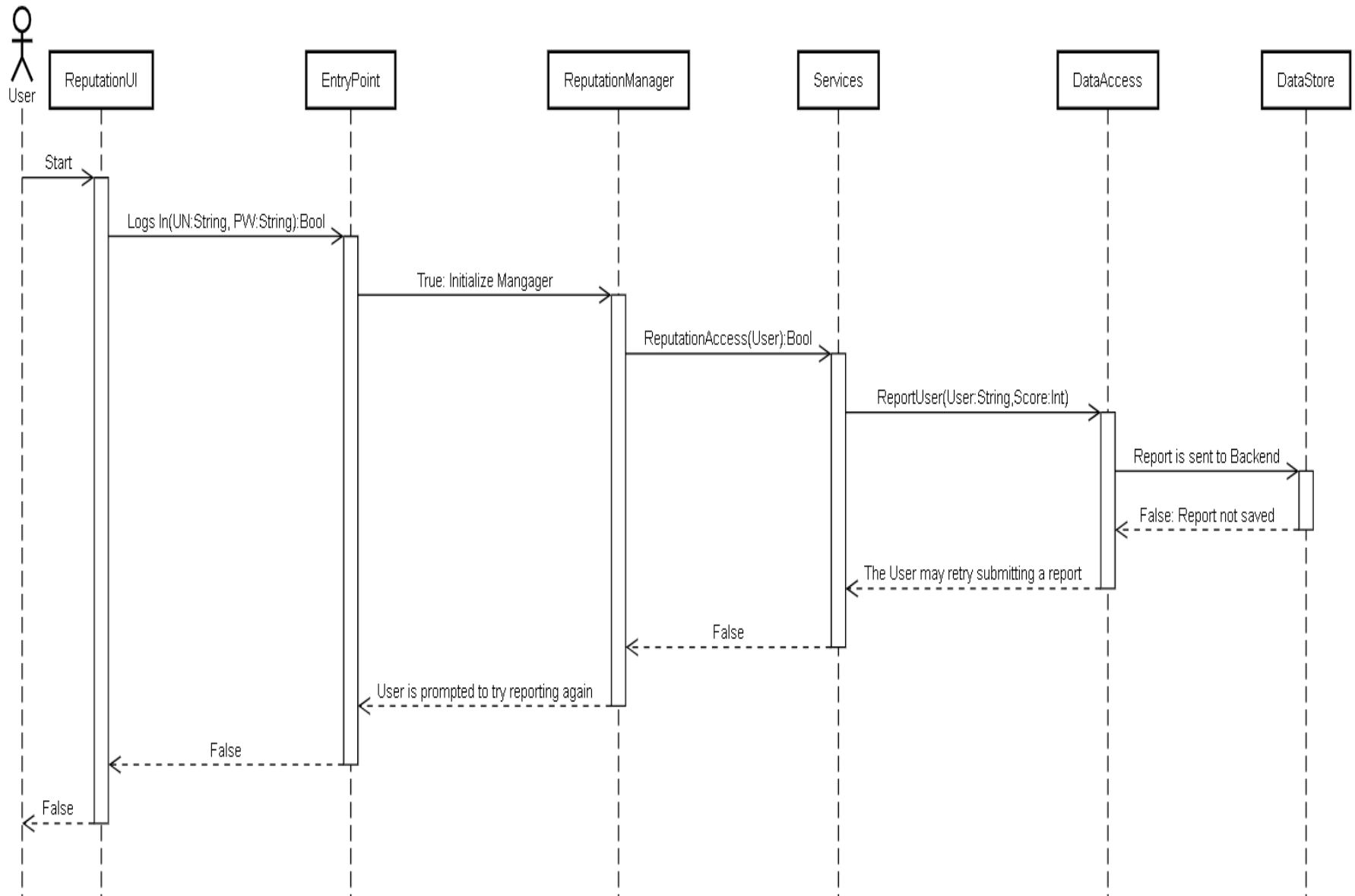


As a User, I want to report a User, but the report does not impact the User.

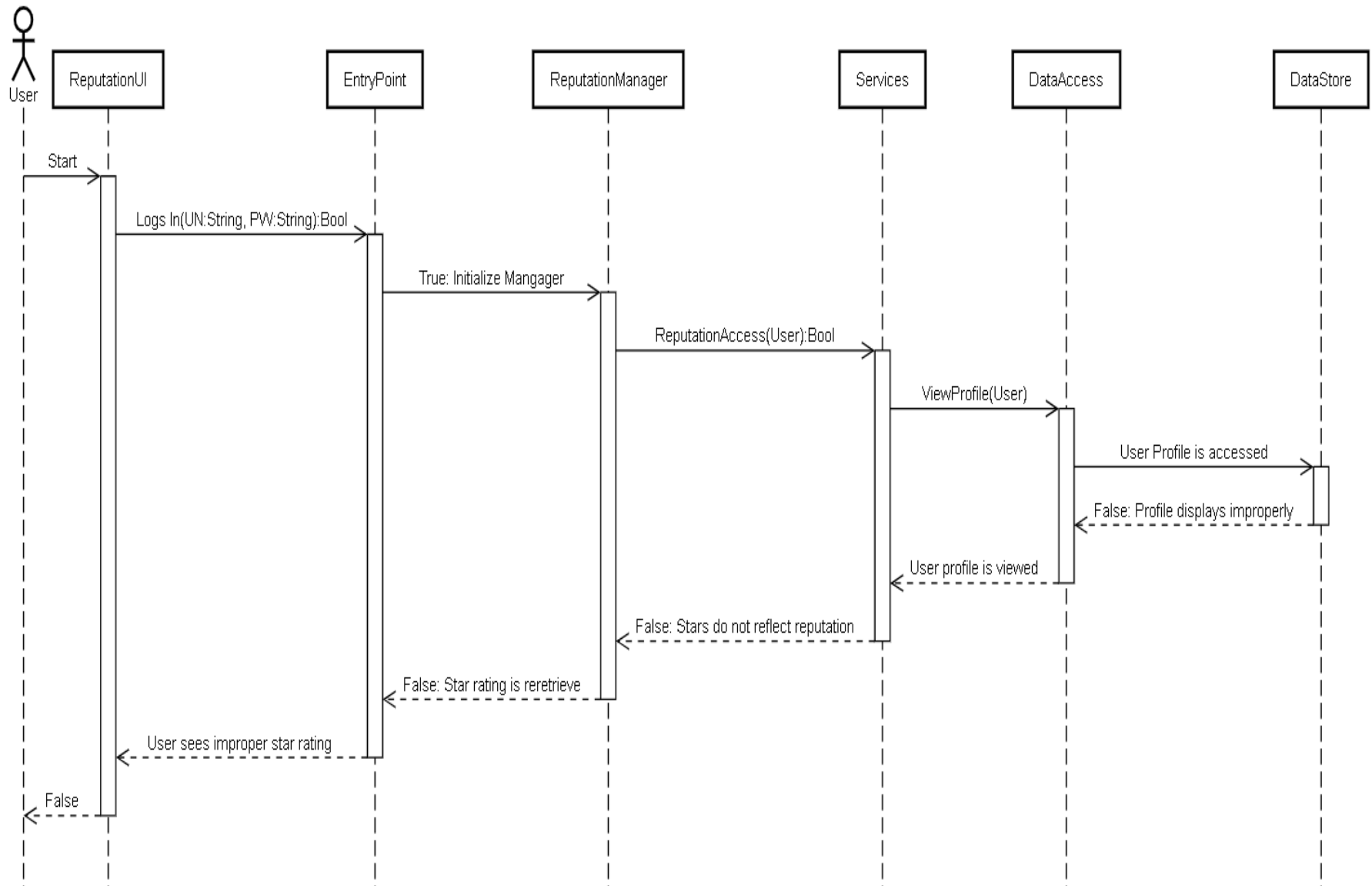




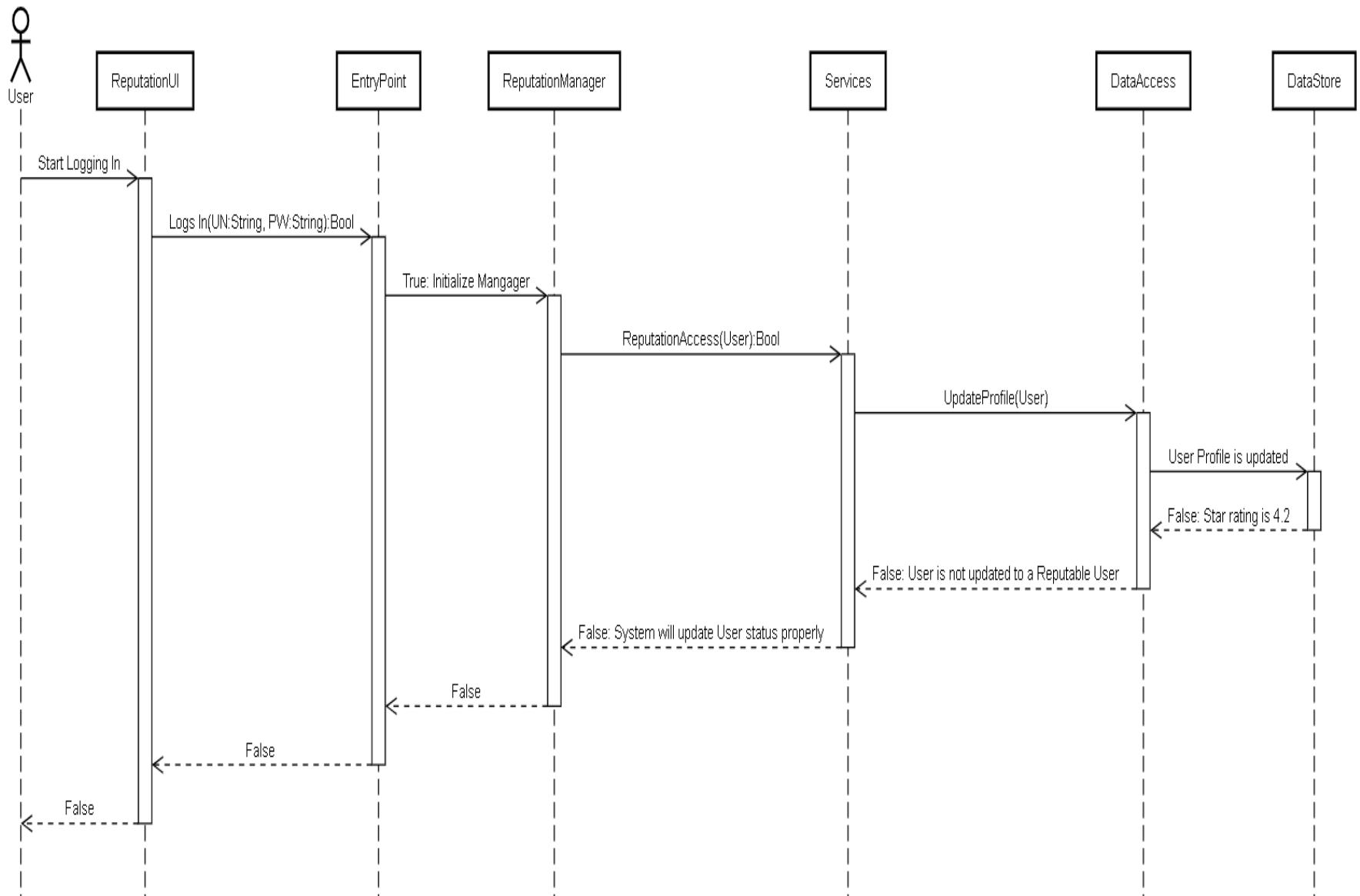
As a User, I want to report a User, but the report is not stored in the backend.



As a User, I want to view my reputation, but my reputation is not reflected properly.

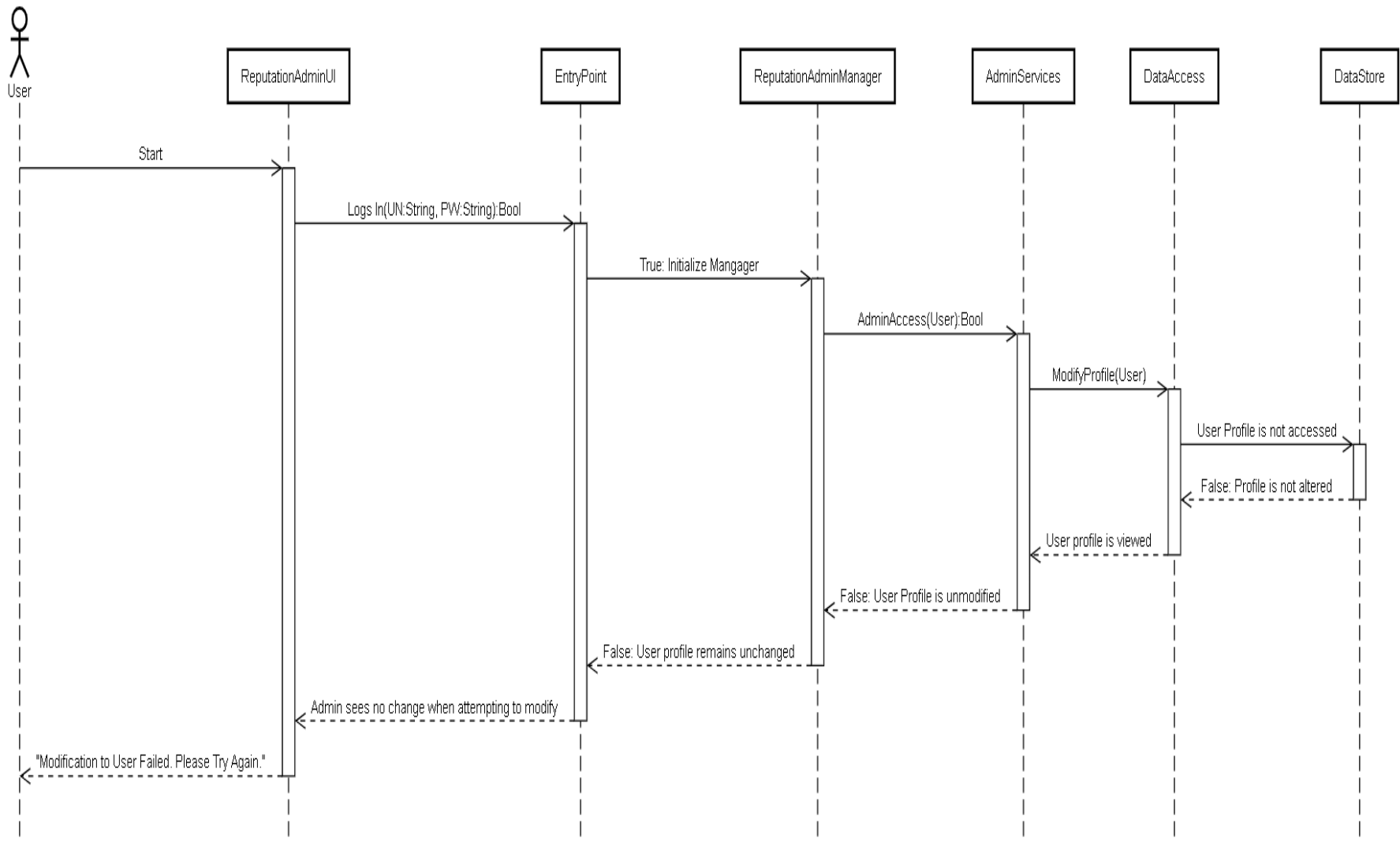


As a User, I want to become a Reputable User, but the system did not update my permissions when reaching 4.2 star rating.



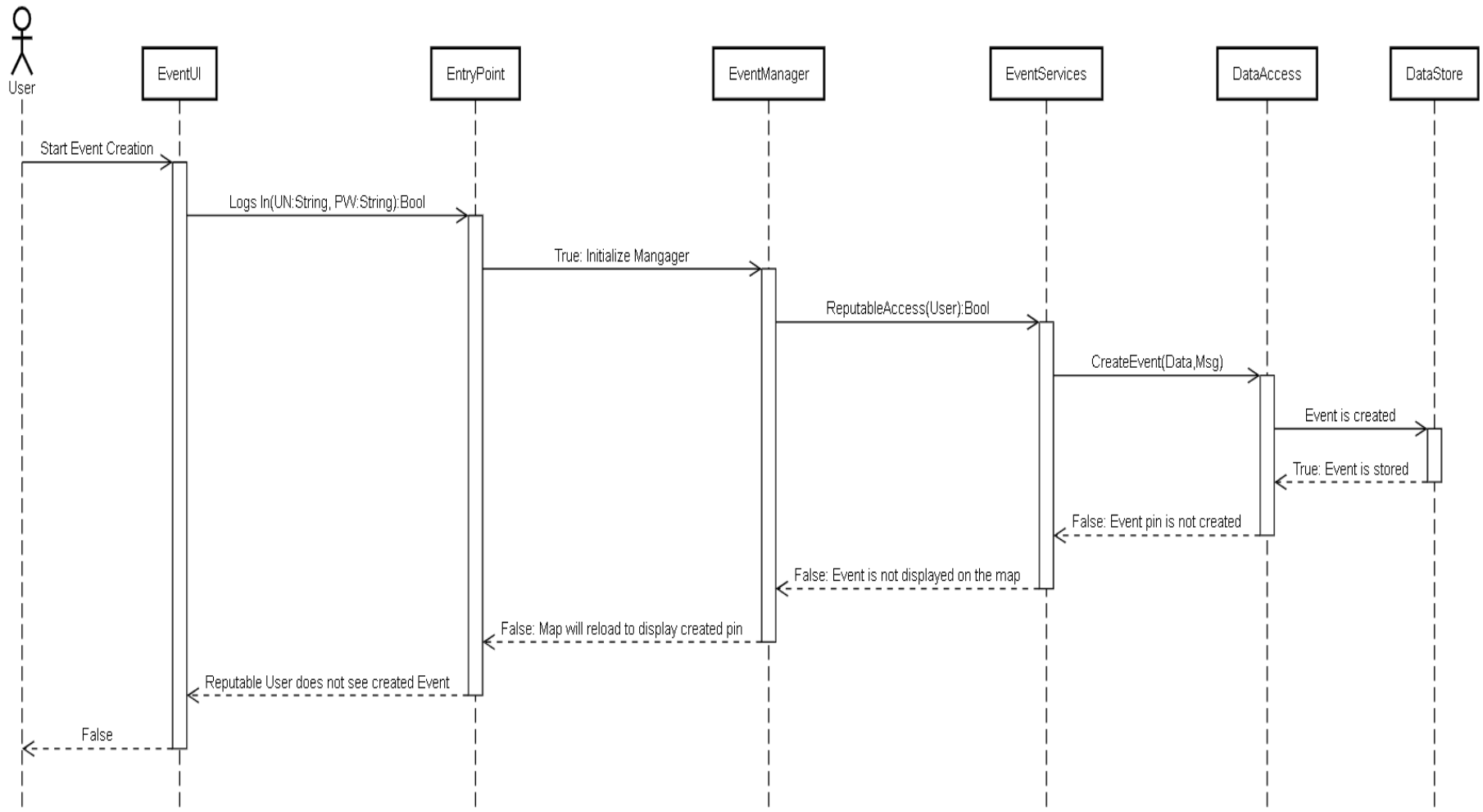
## Reputation(Admin) Failure Conditions

As an Admin, I want to modify User's Reputation, but I am unable to modify.

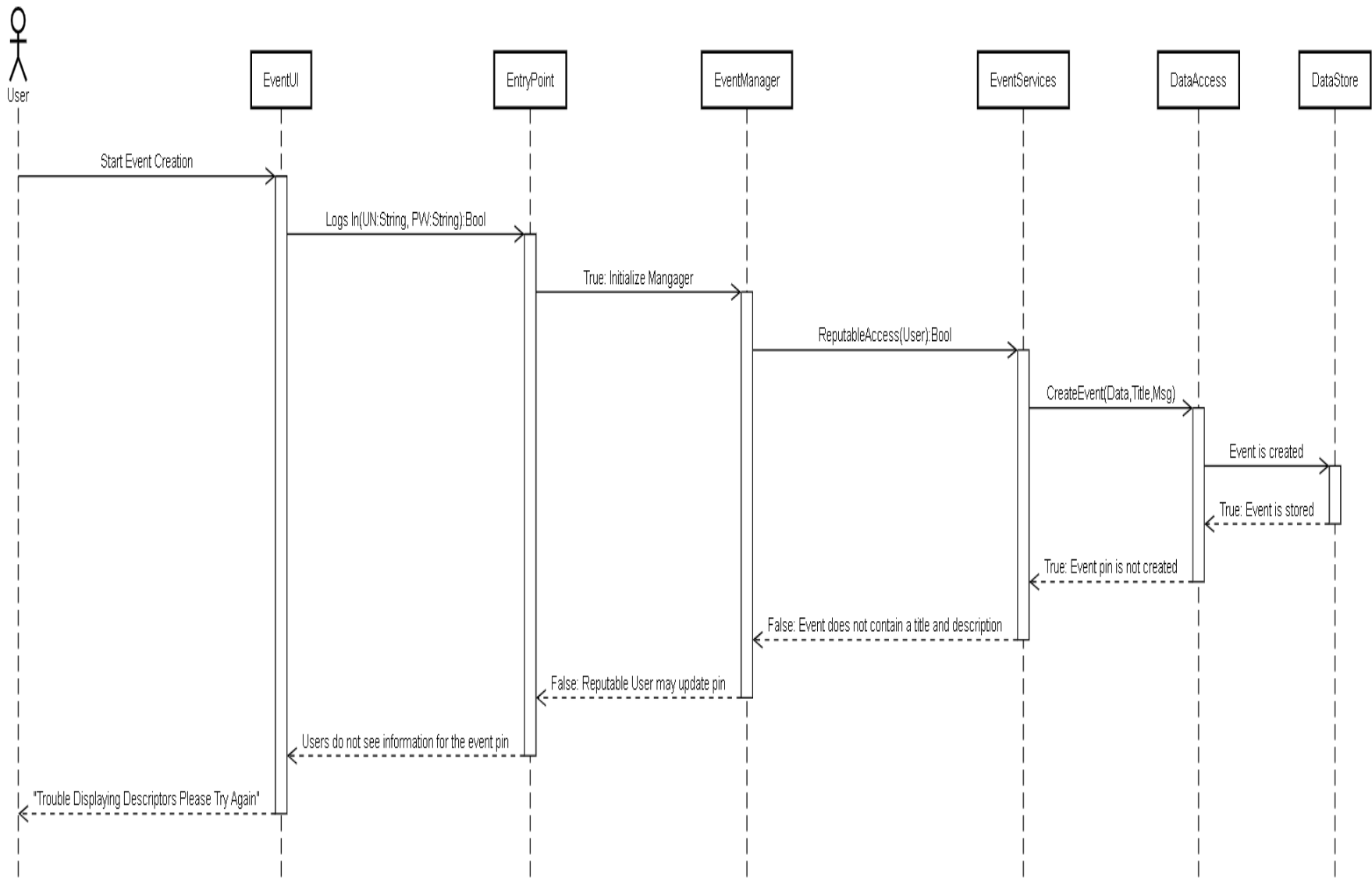


## Event Creation Failure Conditions

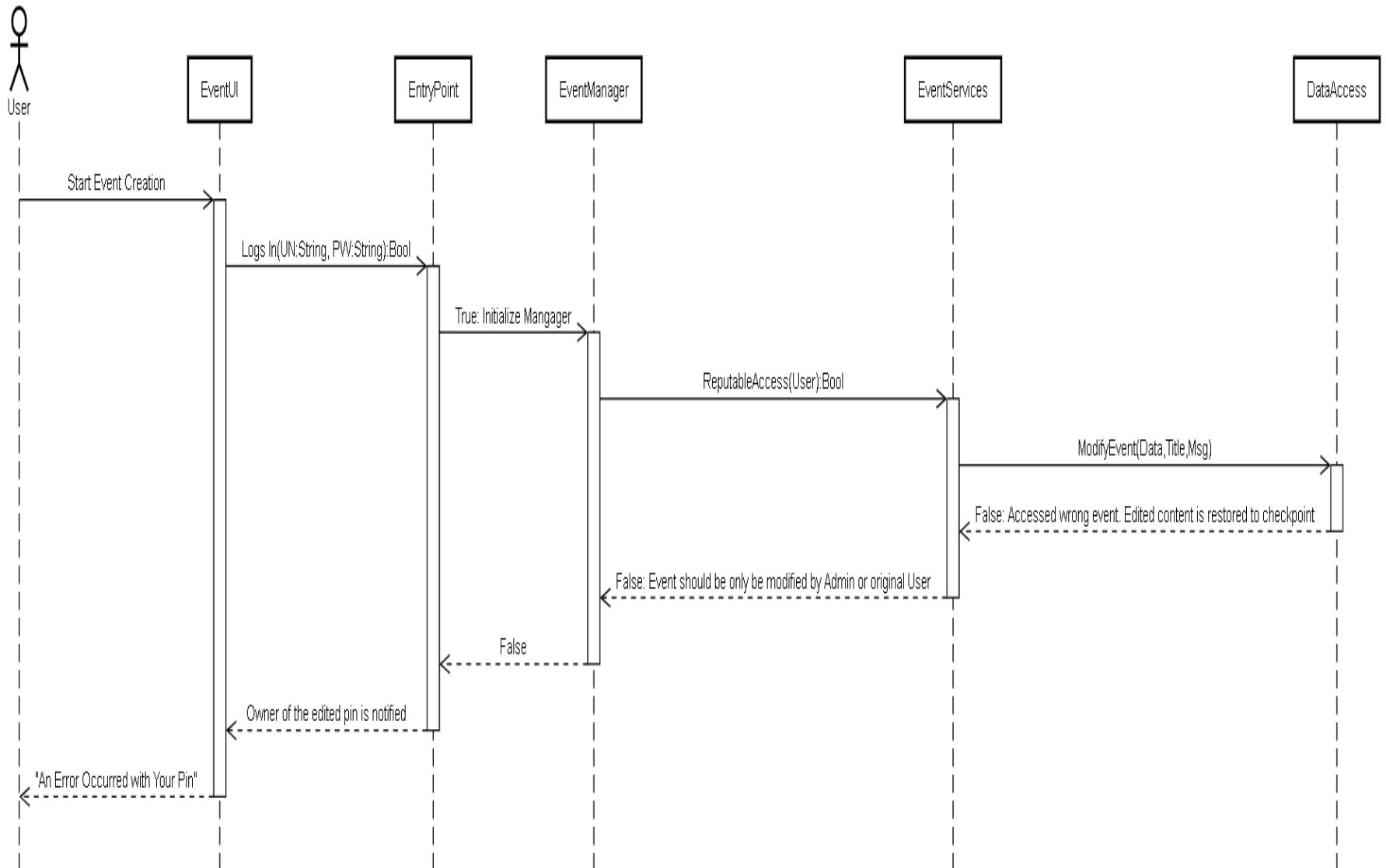
As a Reputable User, I want to create an event, but the event does not appear on the map.



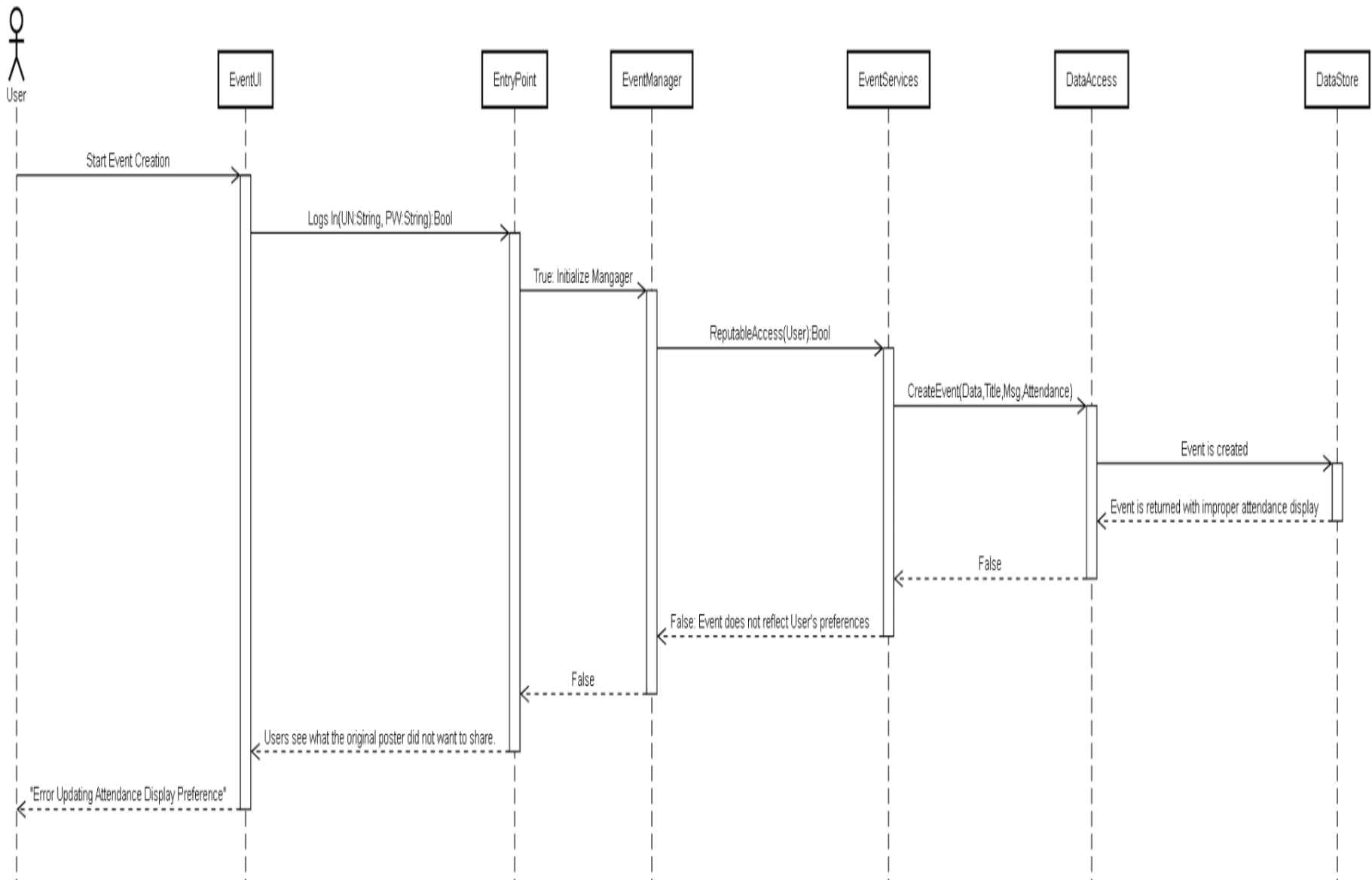
As a Reputable User, I want to create an event, but the event does not contain a title or description.



As a Reputable User, I want to edit an event, but I am modifying another User's event.

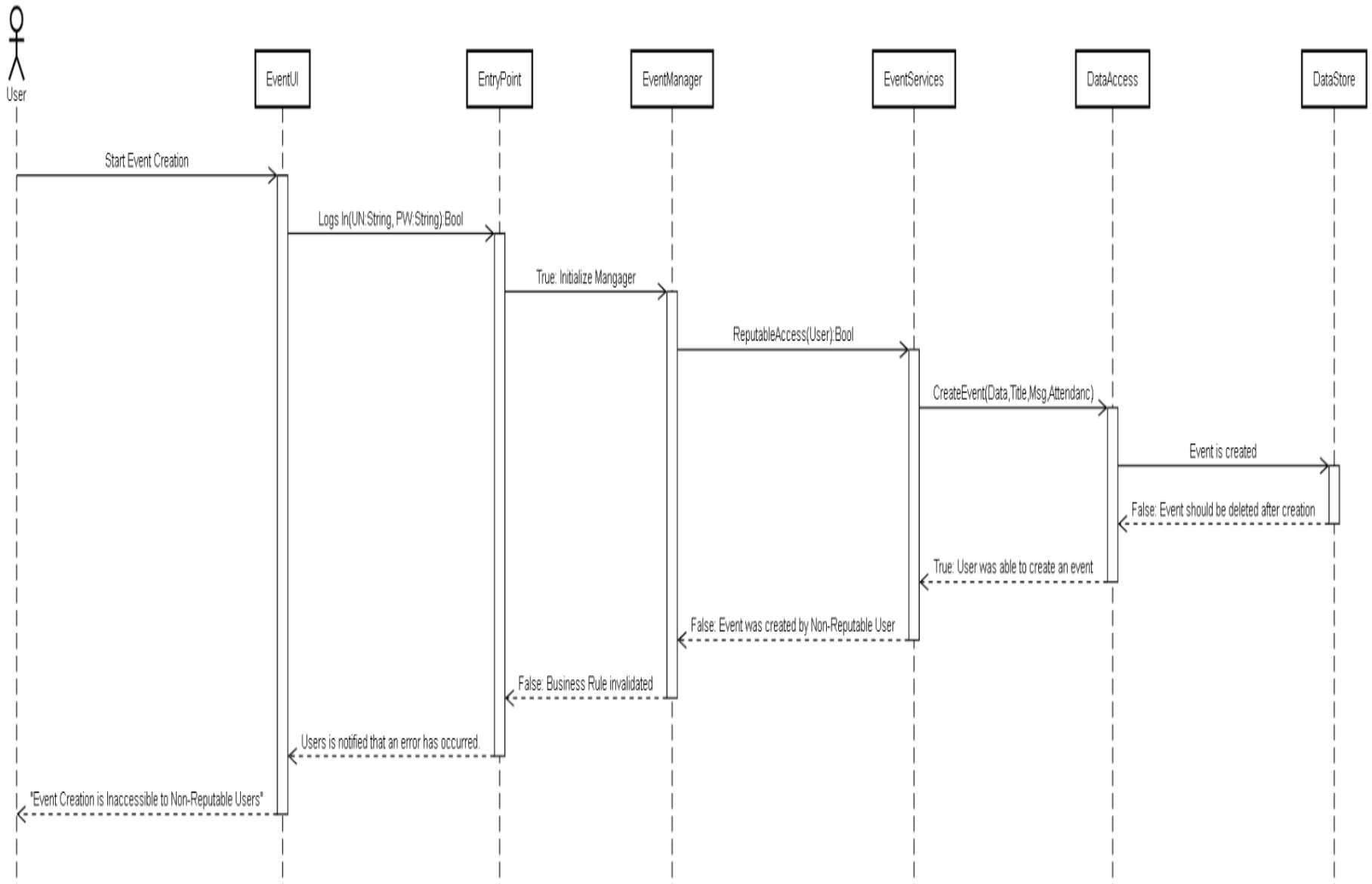


As a Reputable User, I want to create an event, but the event does not update Attendance preference.



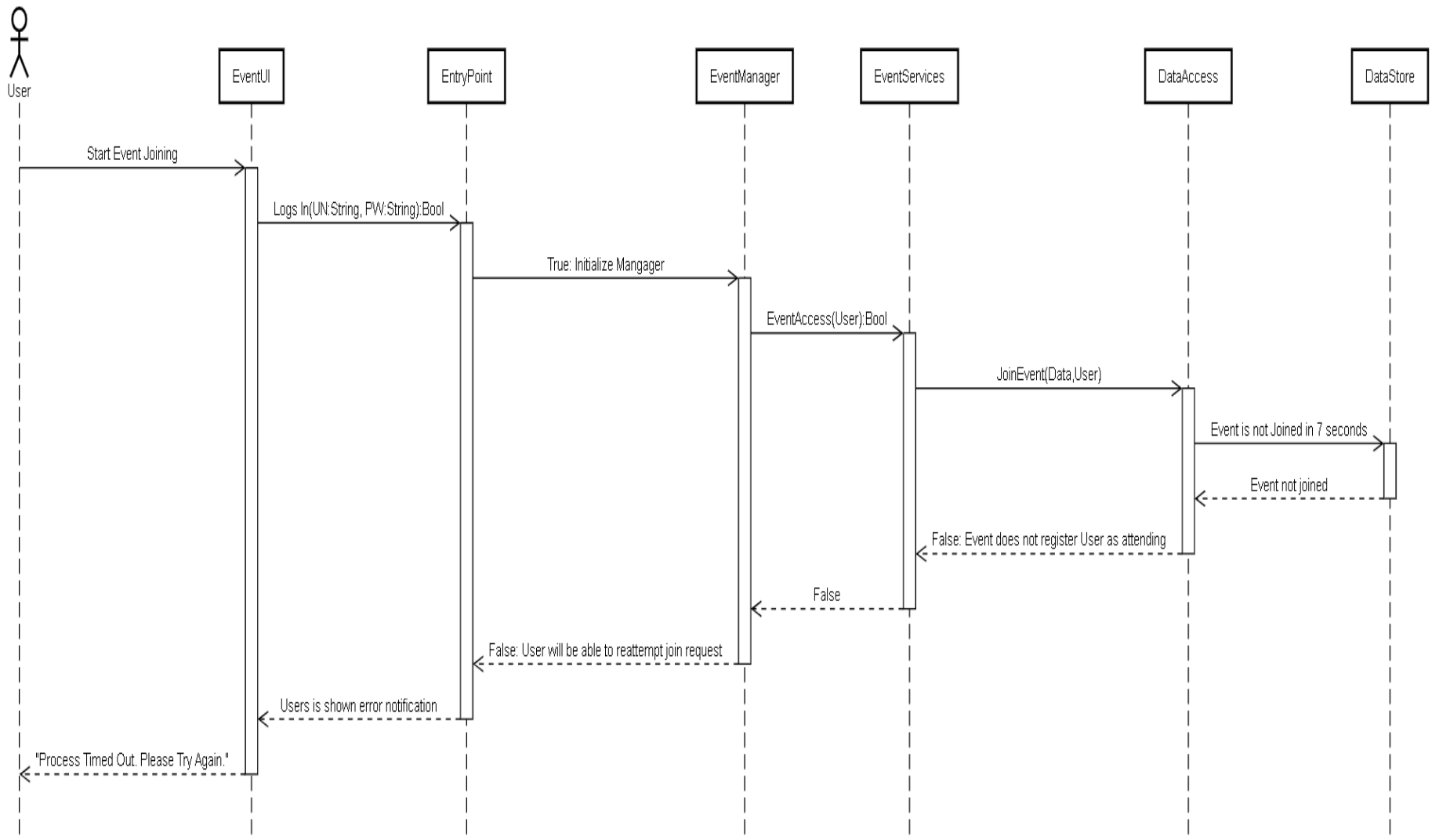


As a User, I have created an event, but I do not have permissions.

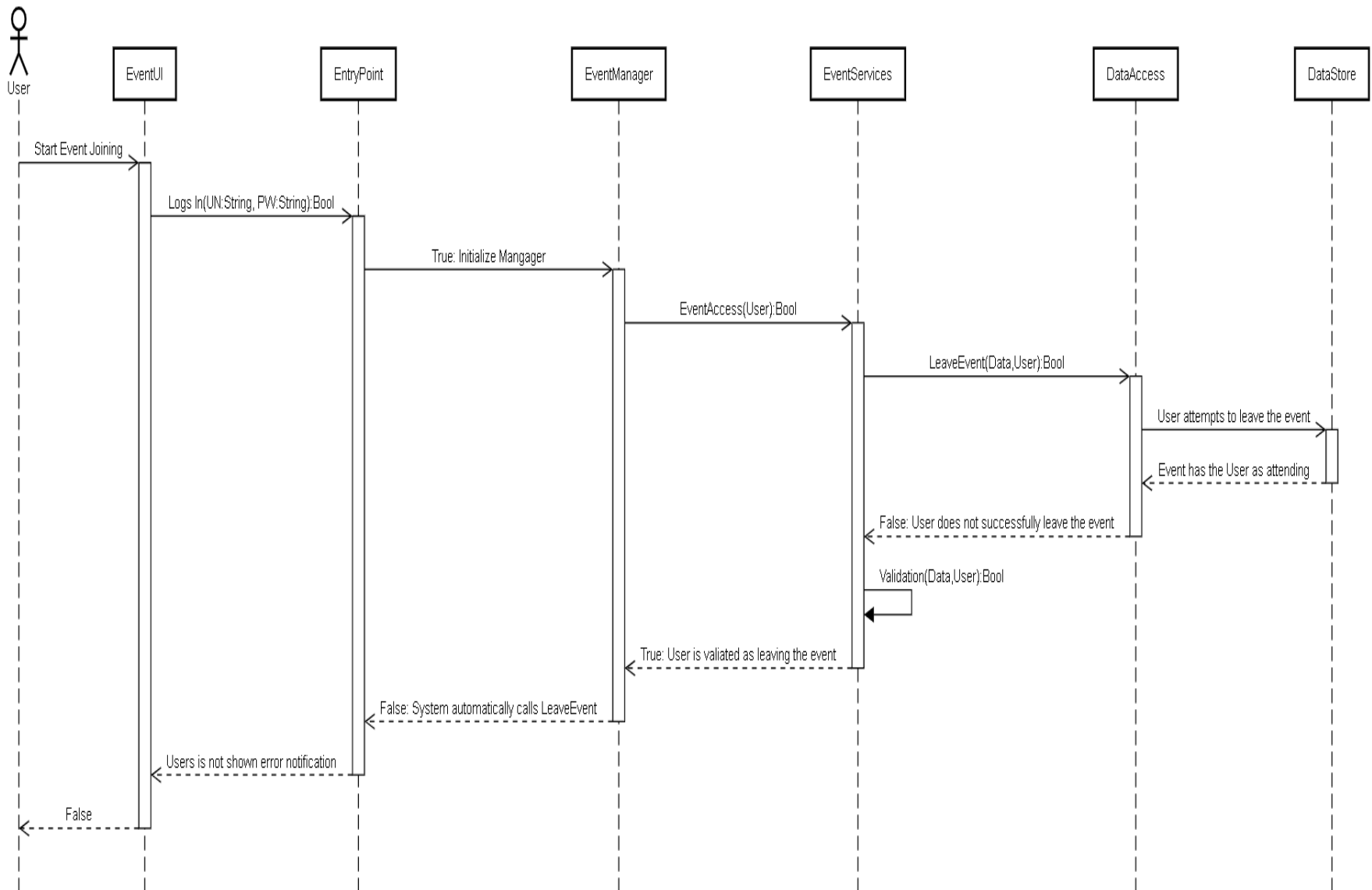


## Event Joining Failure Conditions

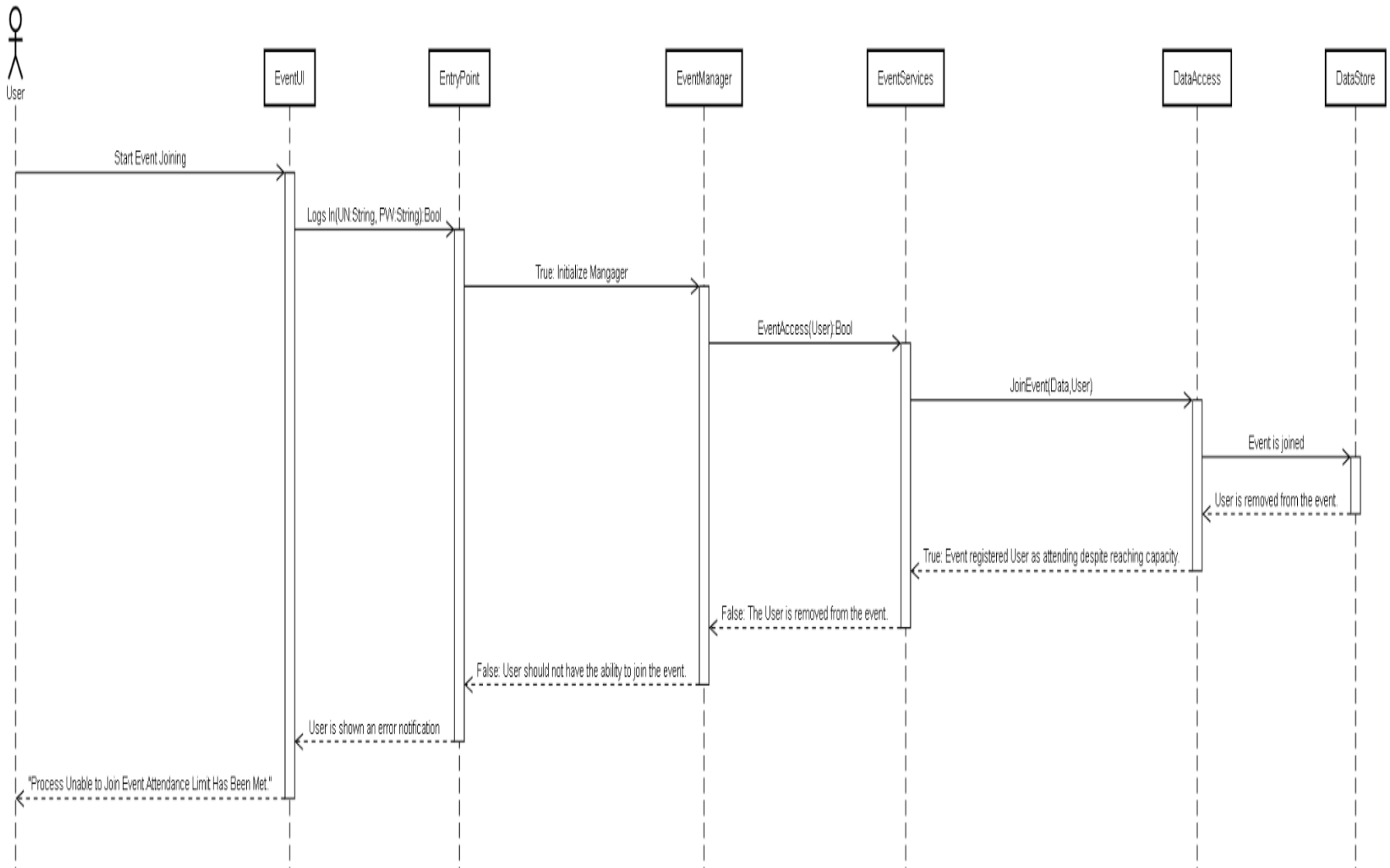
As a User, I want to join an event, but the system took longer than 7 seconds to process.



As a User, I want to leave an event, but the system does not Log the interaction.

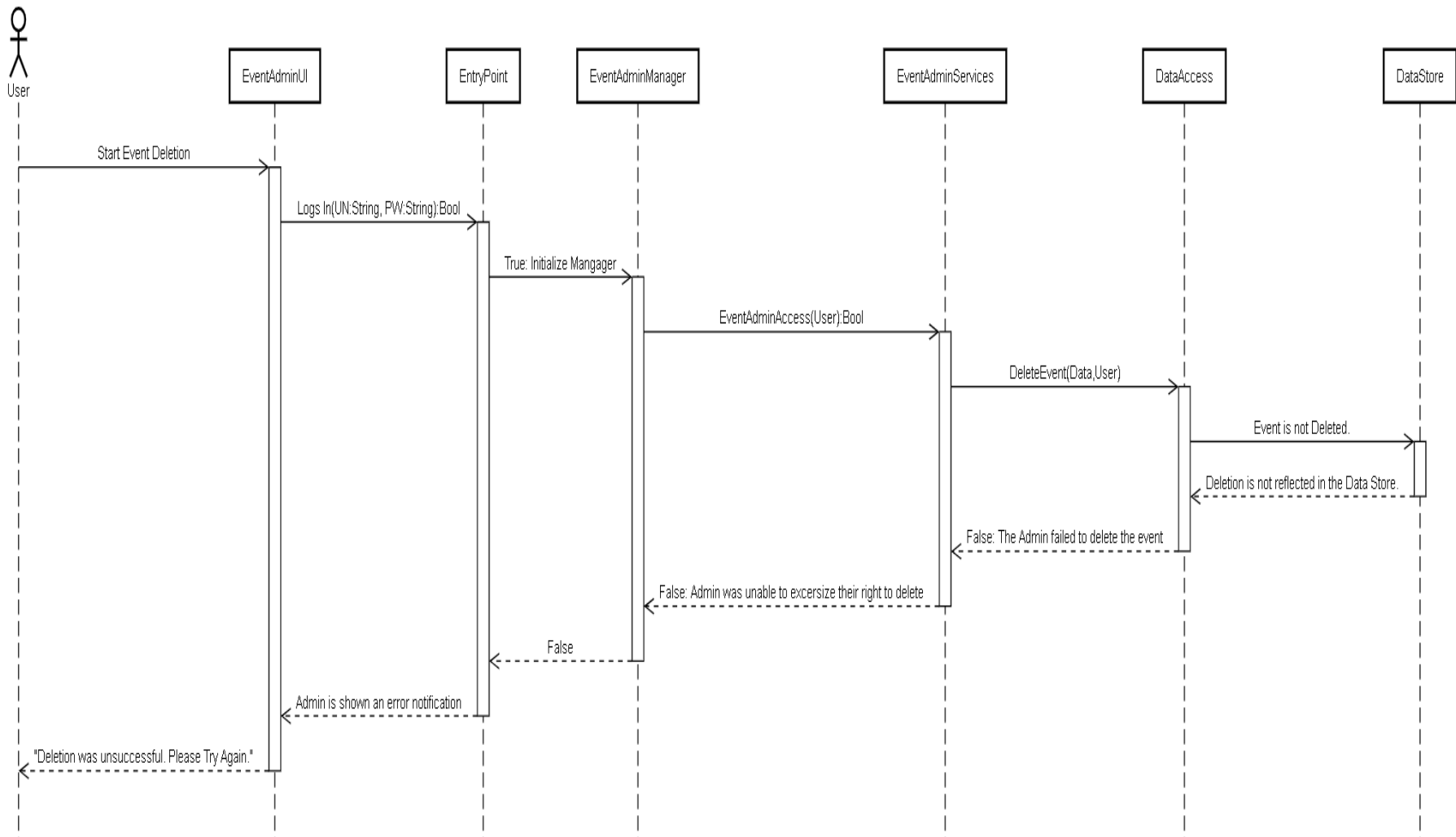


As a User, I want to join an event, but the system already has 100 Users attending.



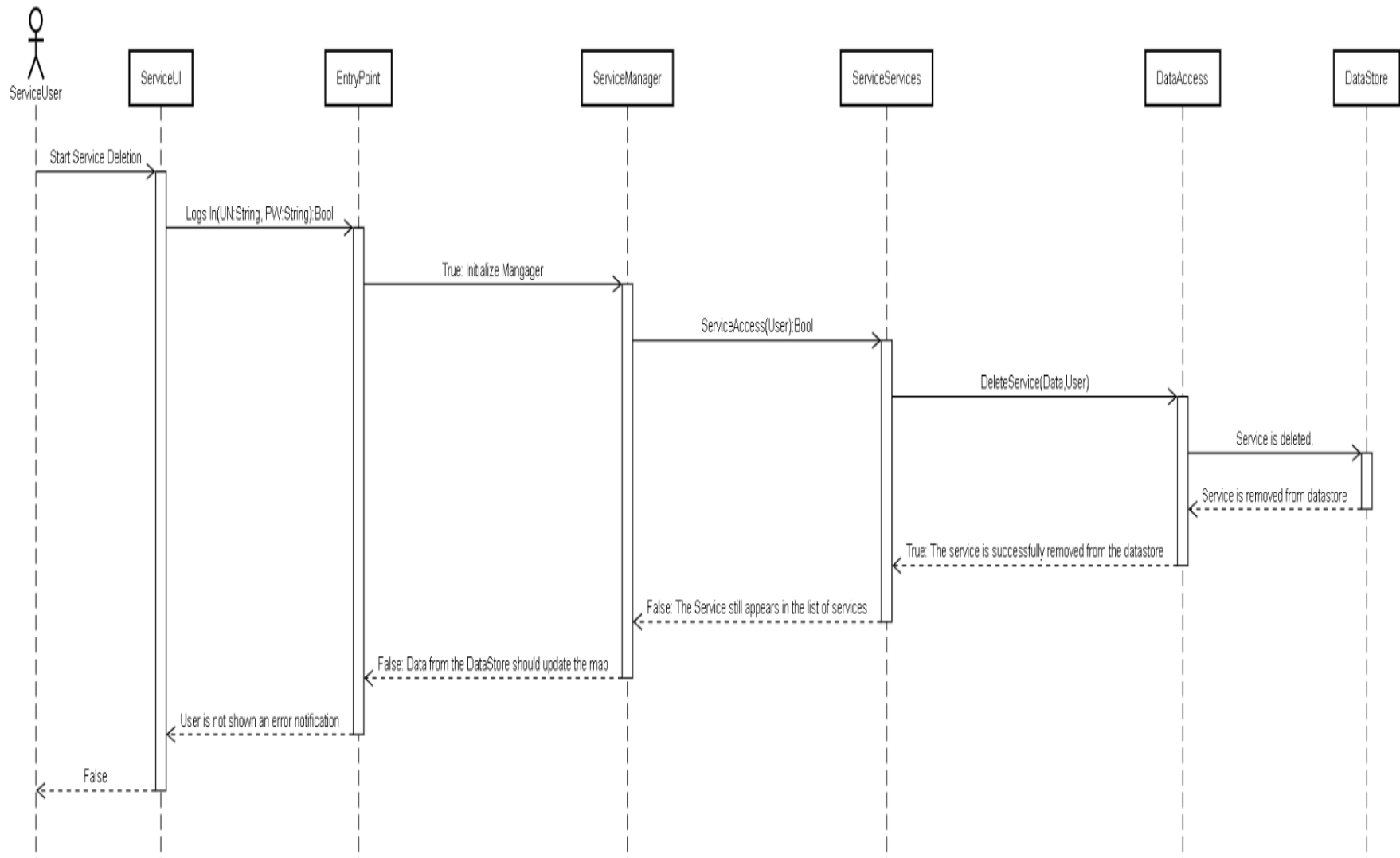
## Events(Admin) Failure Conditions

As an Admin, I want to remove events, but the system does not process the interaction.

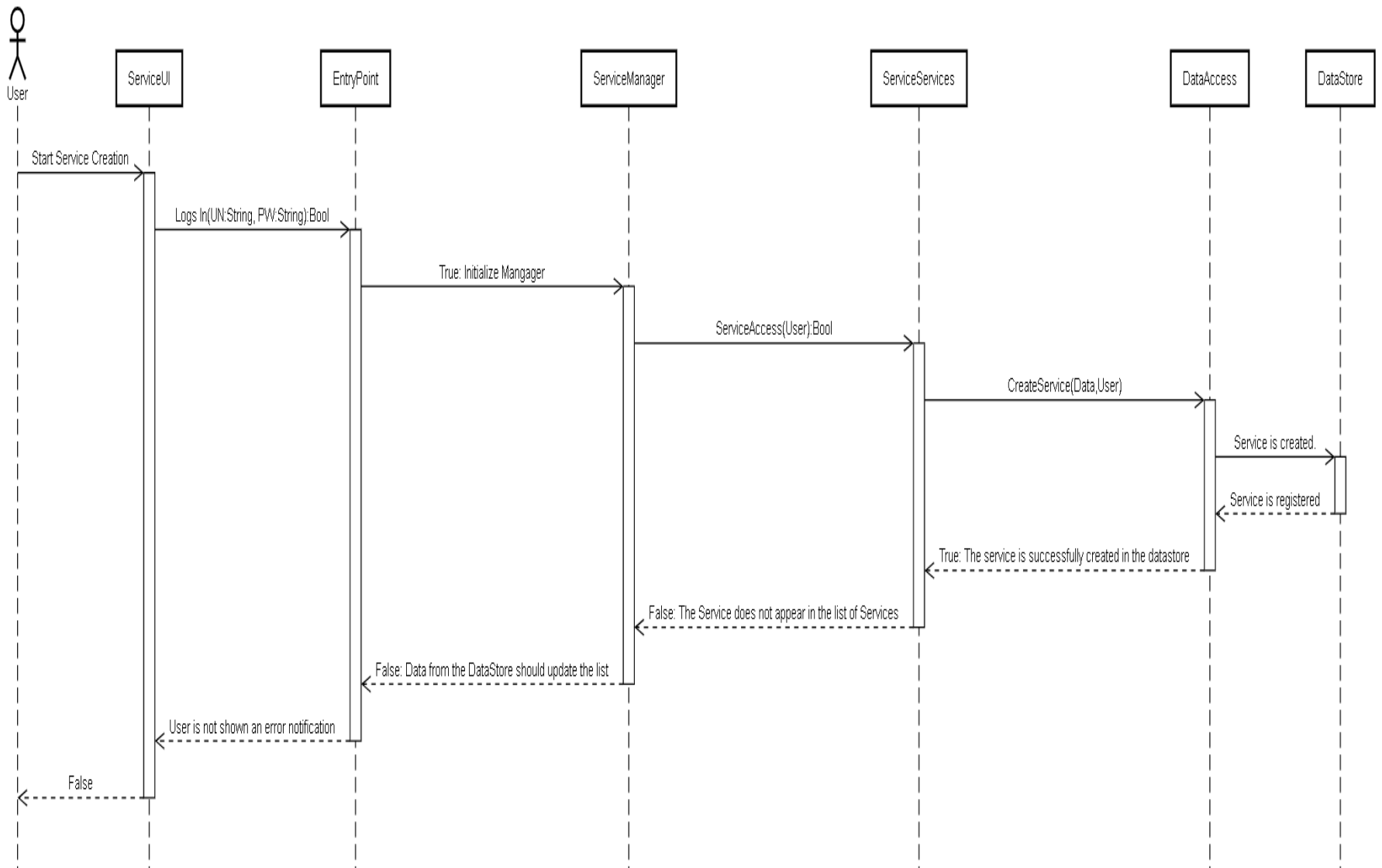


## Service Creation Failure Conditions

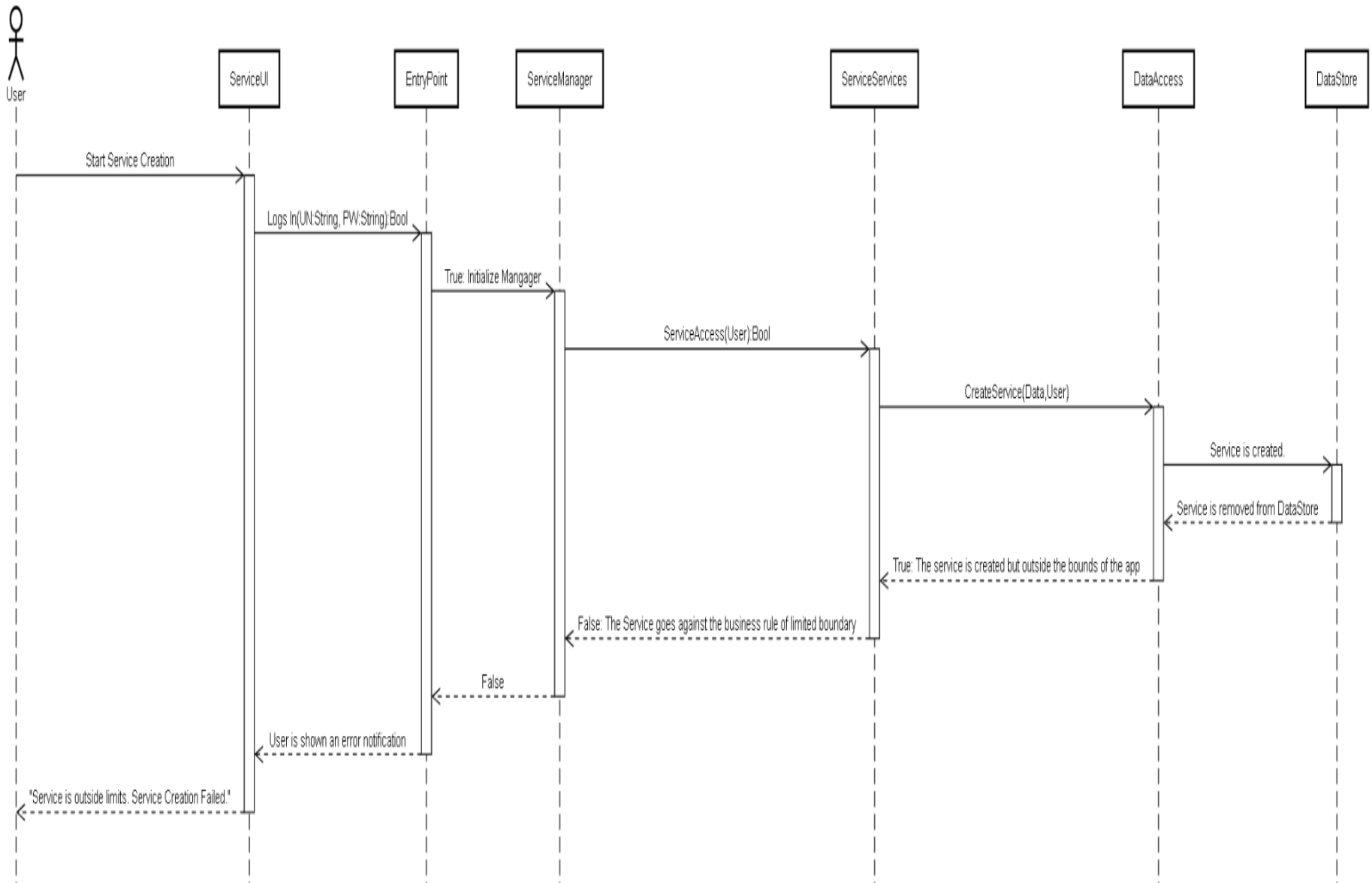
As a Service User, I want to delete my Service, but the system does not delete my service.



As a User, I want to add my Service, but the Service does not appear in the list of Services.

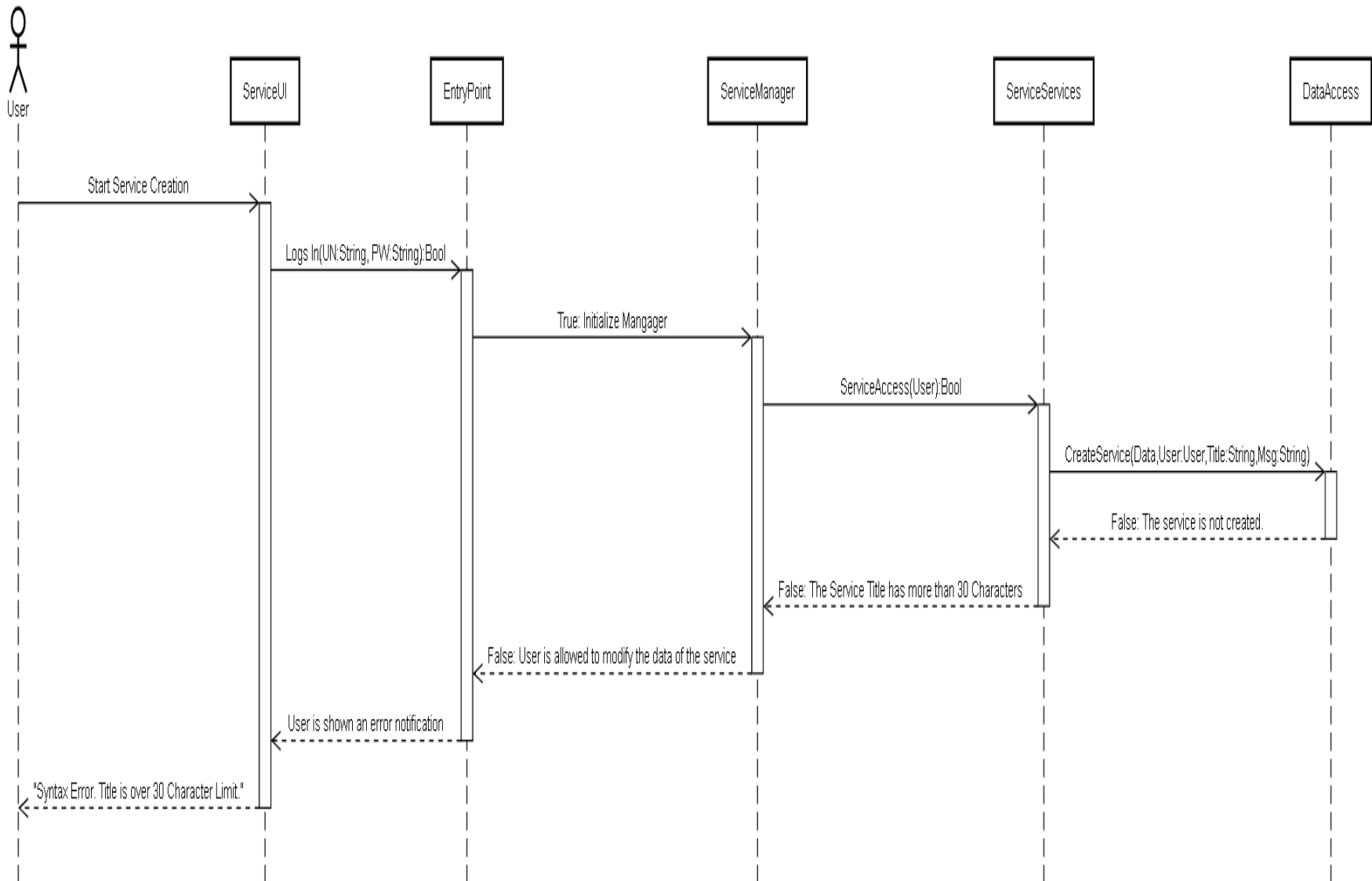


As a User, I want to add my Service, but the Service exists outside of California.

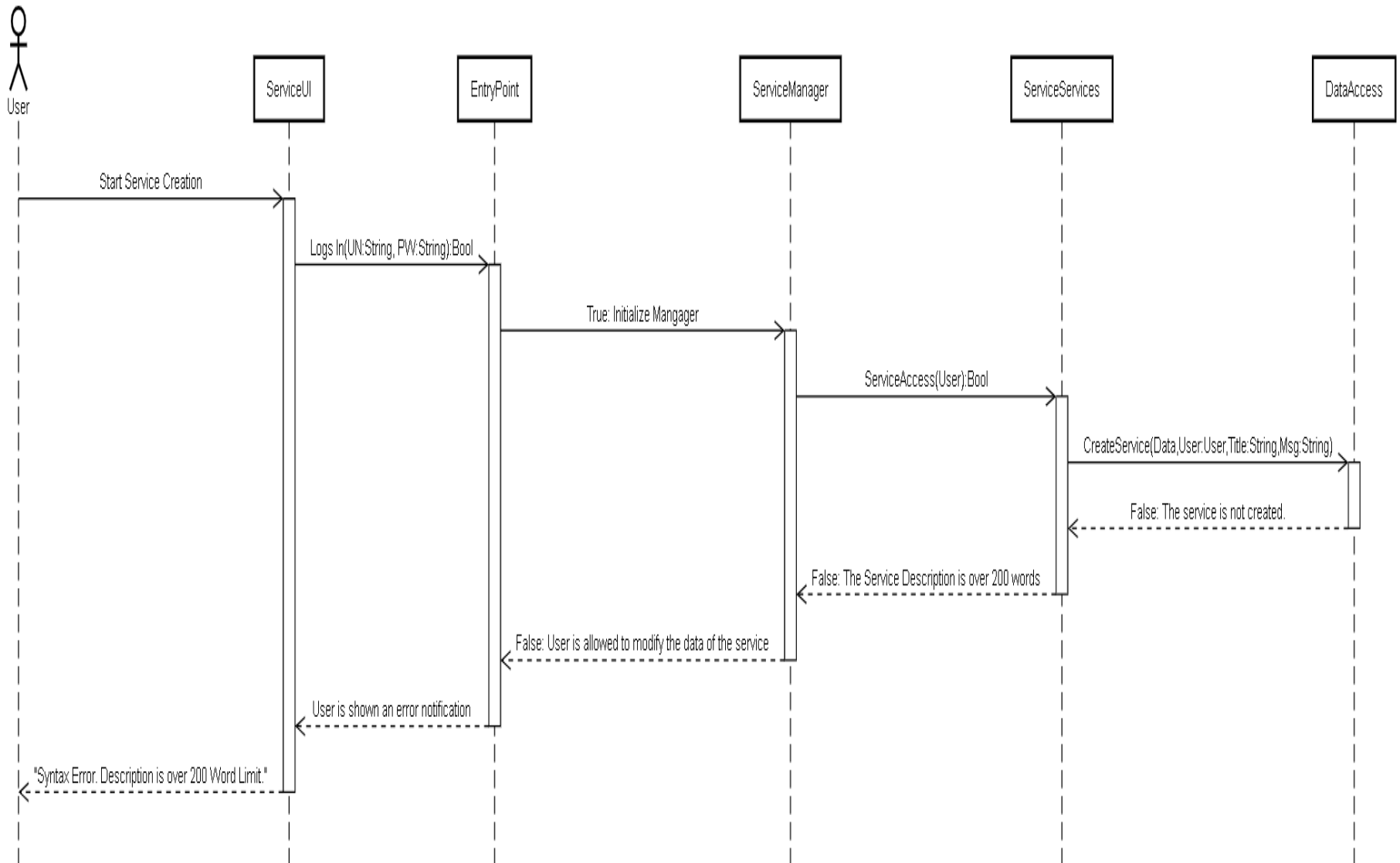




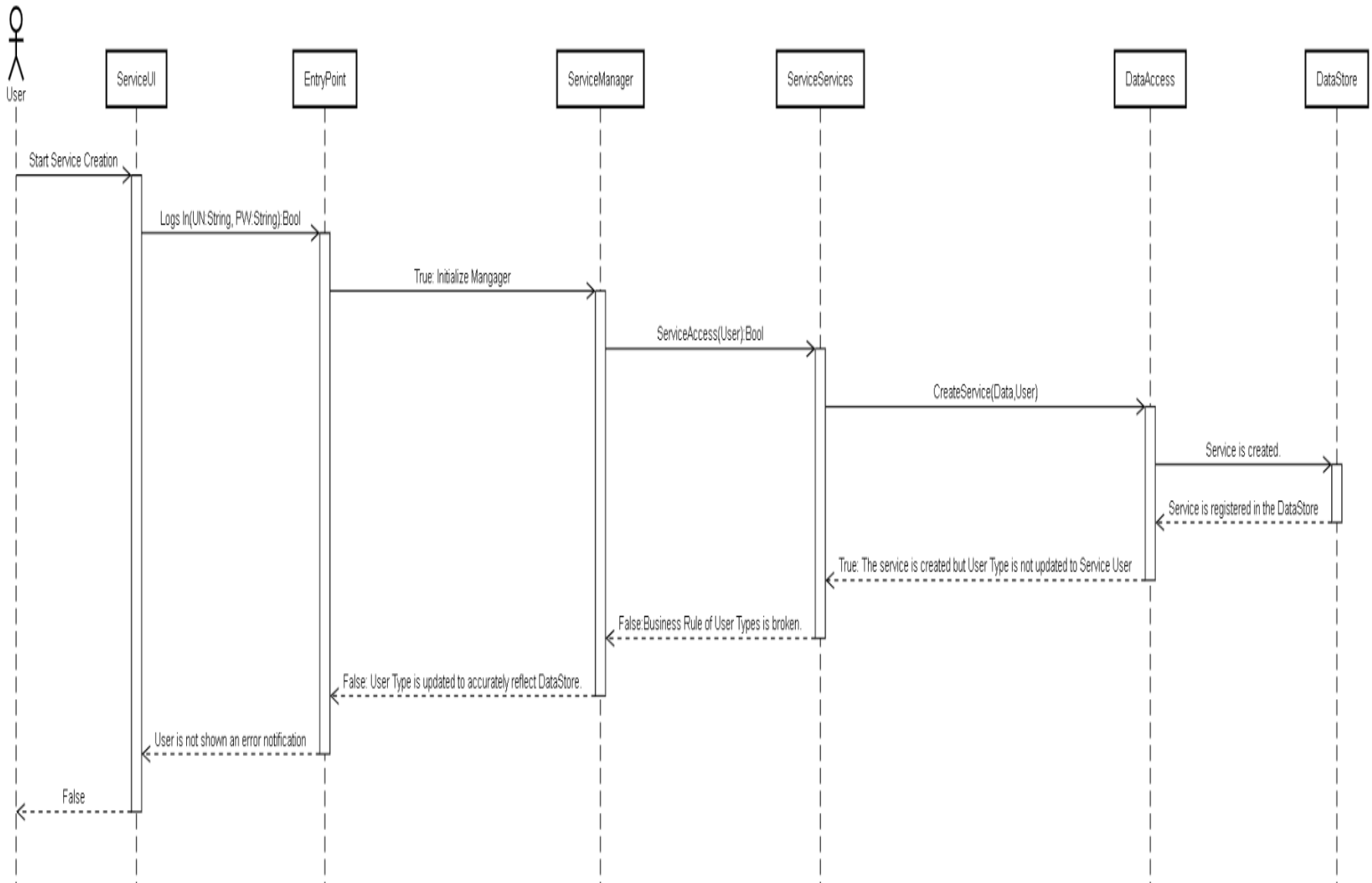
As a User, I want to add my Service, but the Service name is longer than 30 characters.



As a User, I want to add my Service, but the Service Description is over 200 Word Limit.

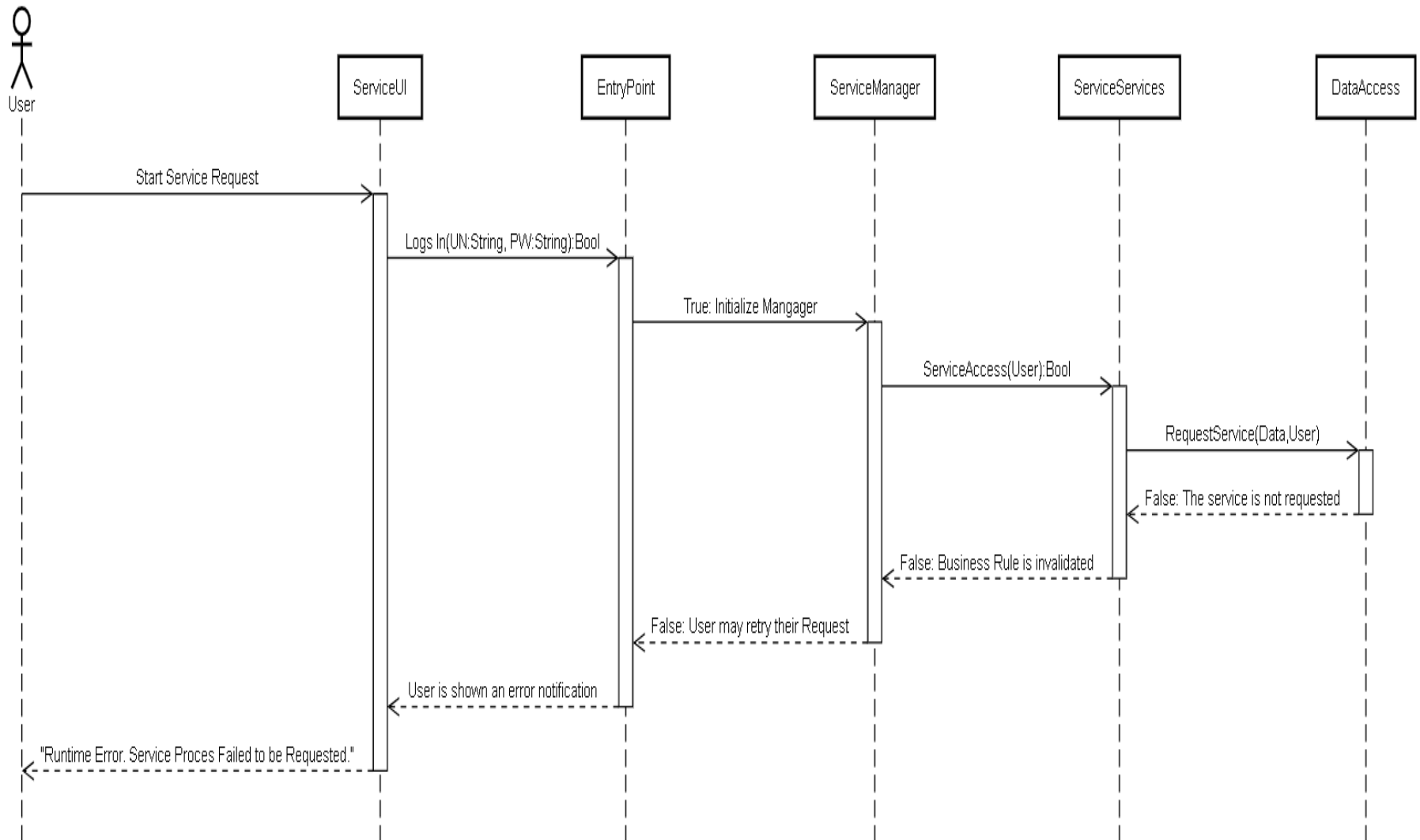


As a User, I want to add my Service, but the Service exists outside of California.

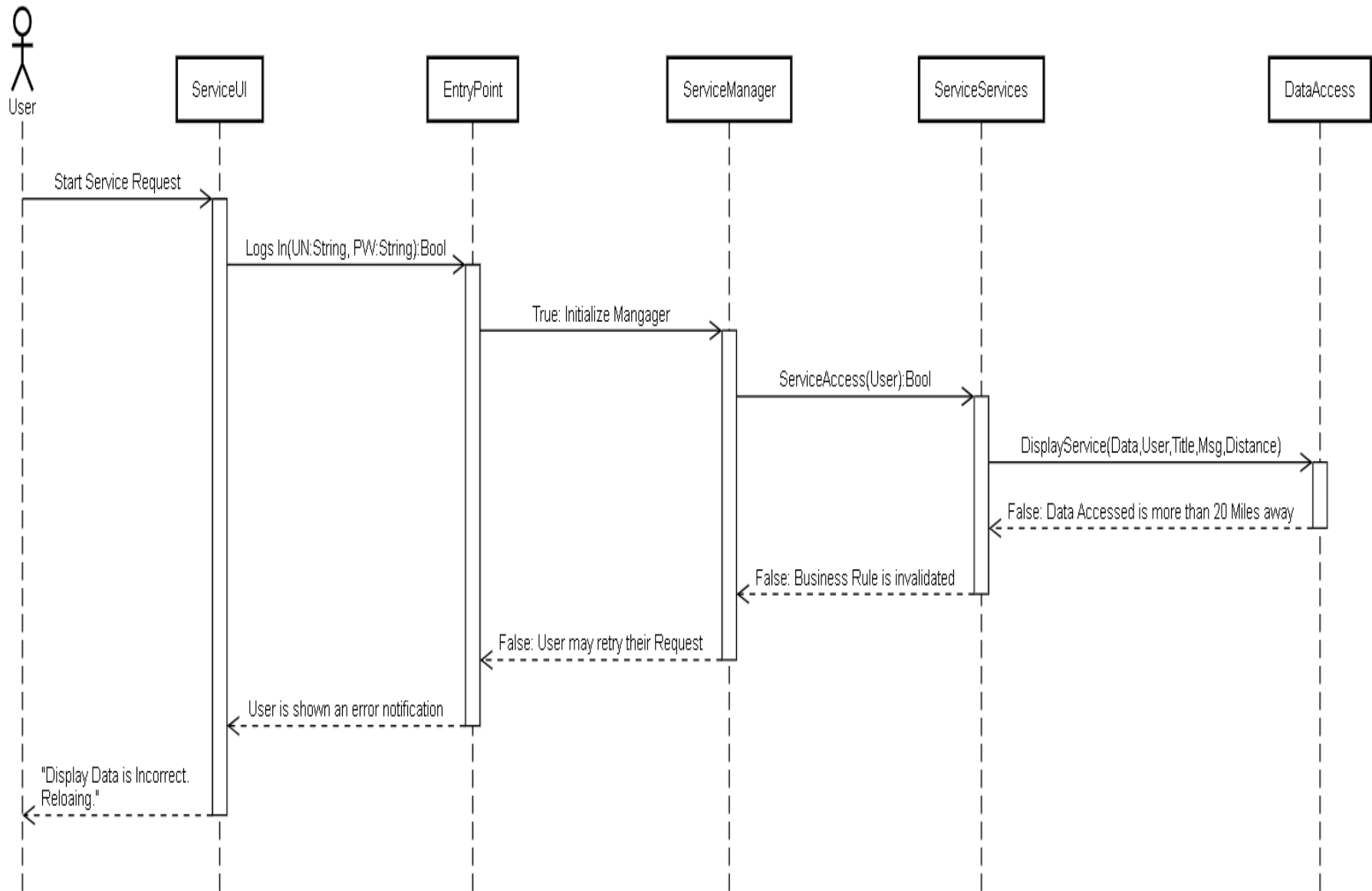


## Service Requests Failure Conditions

As a User, I want to request a Service, but the system fails to process the request.

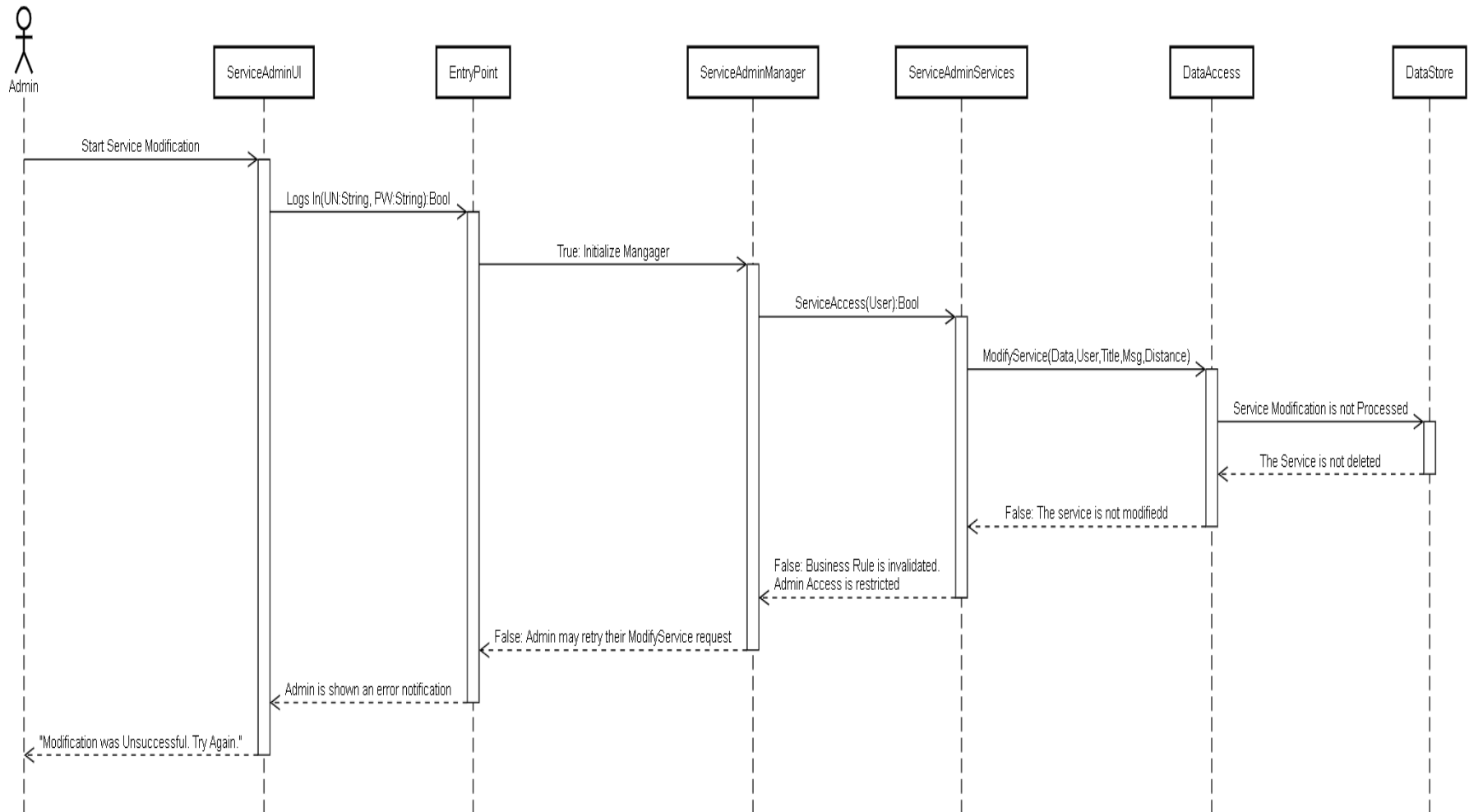


As a User, I want to request a Service, but Service shown is out of User's preferred range.

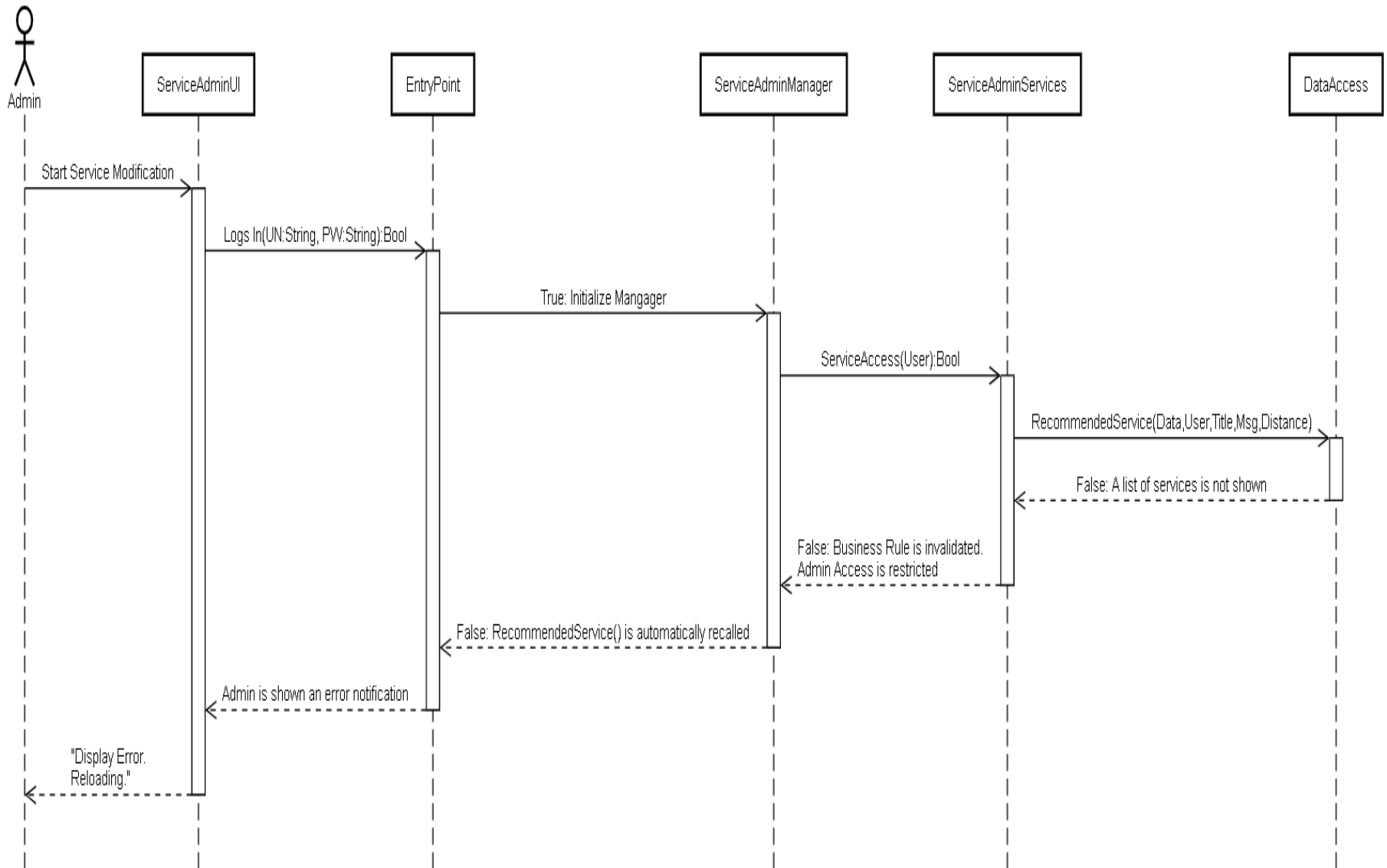


## Service(Admin) Failure Conditions

As an Admin, I want to modify a Service, but the modifications are never stored.

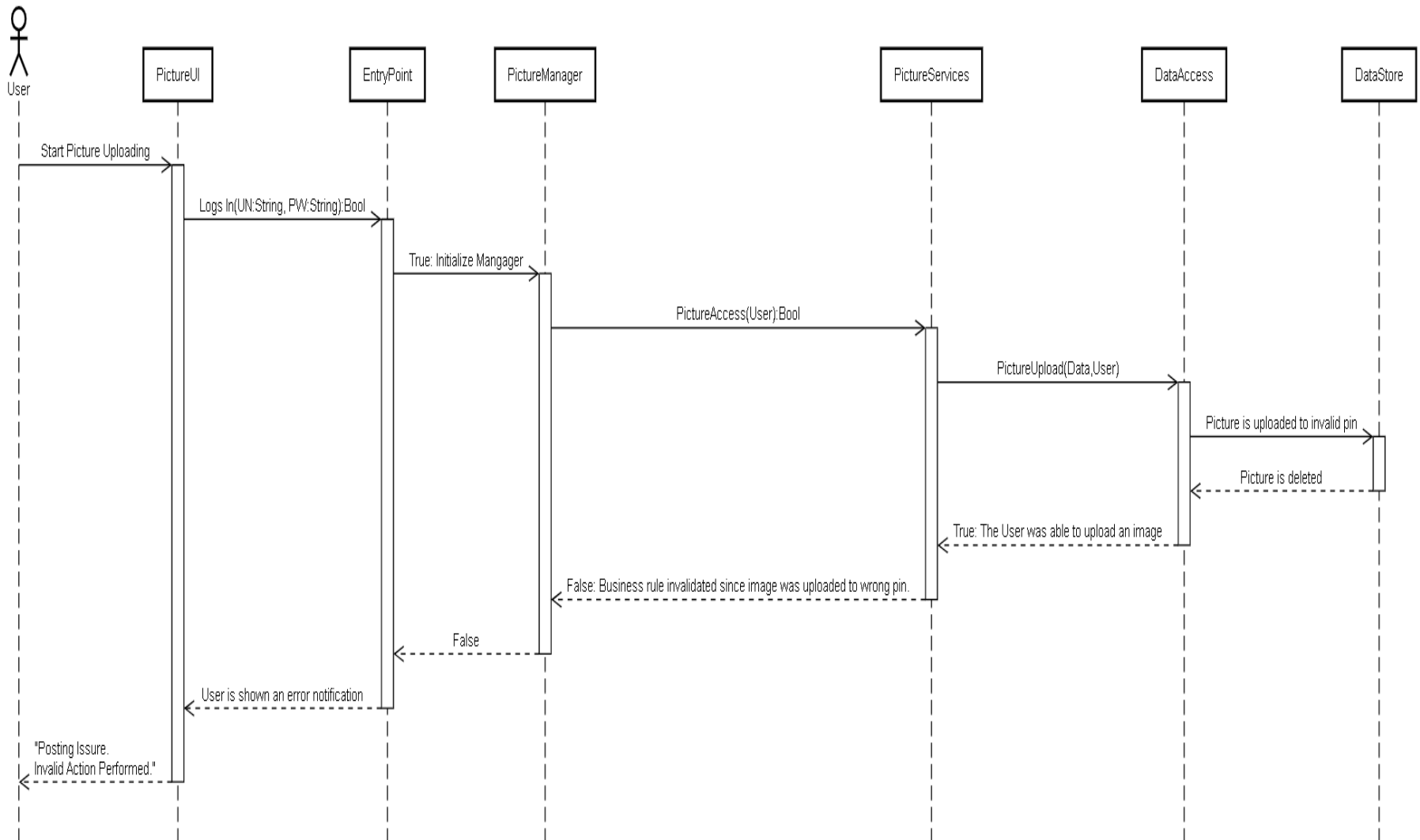


As an Admin, I want to view recommended Services, but I am unable to view a list of Services.



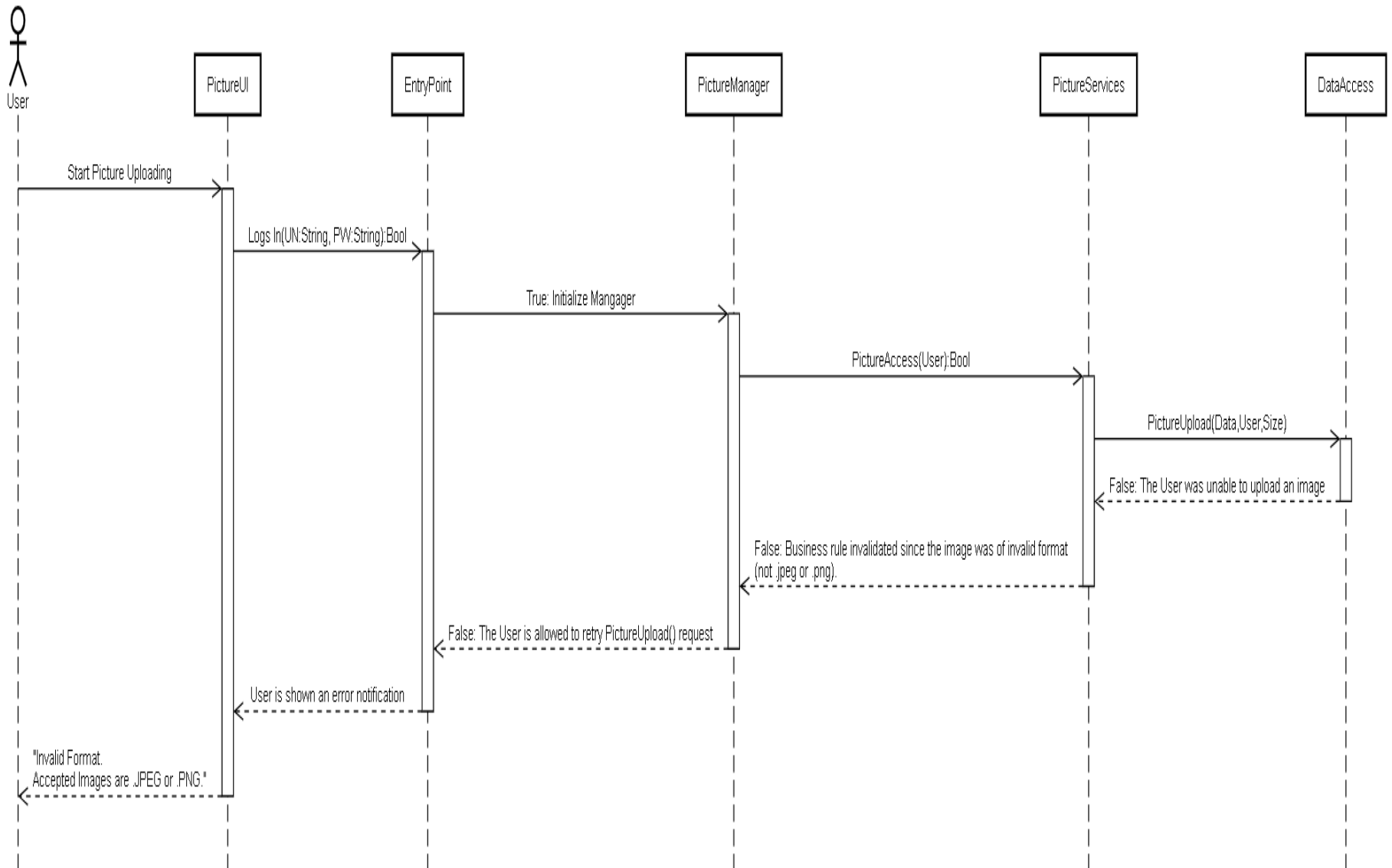
## Picture Upload Failure Conditions

As a User, I want to upload an image, but the image is uploaded to another User's pin.

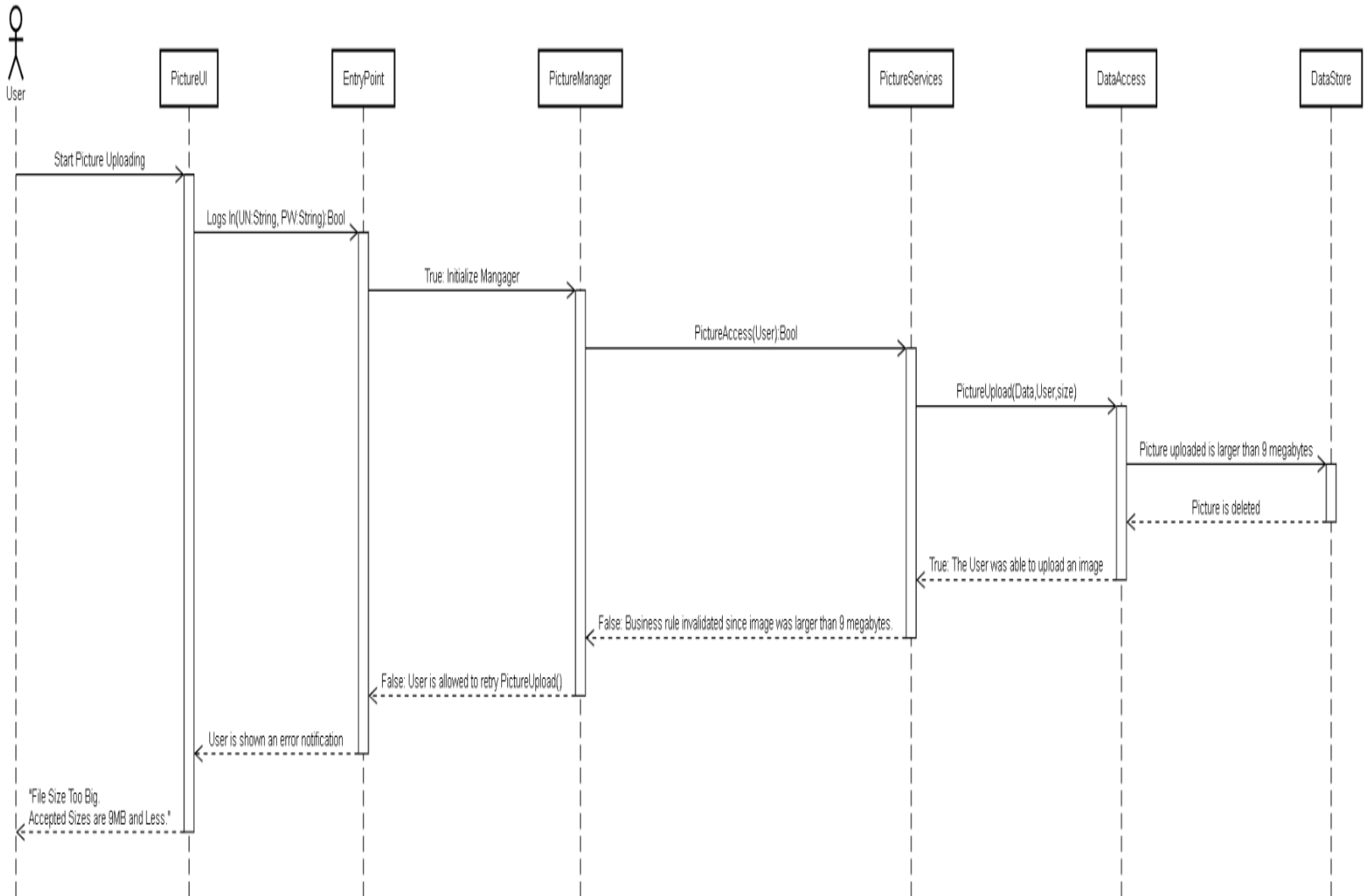




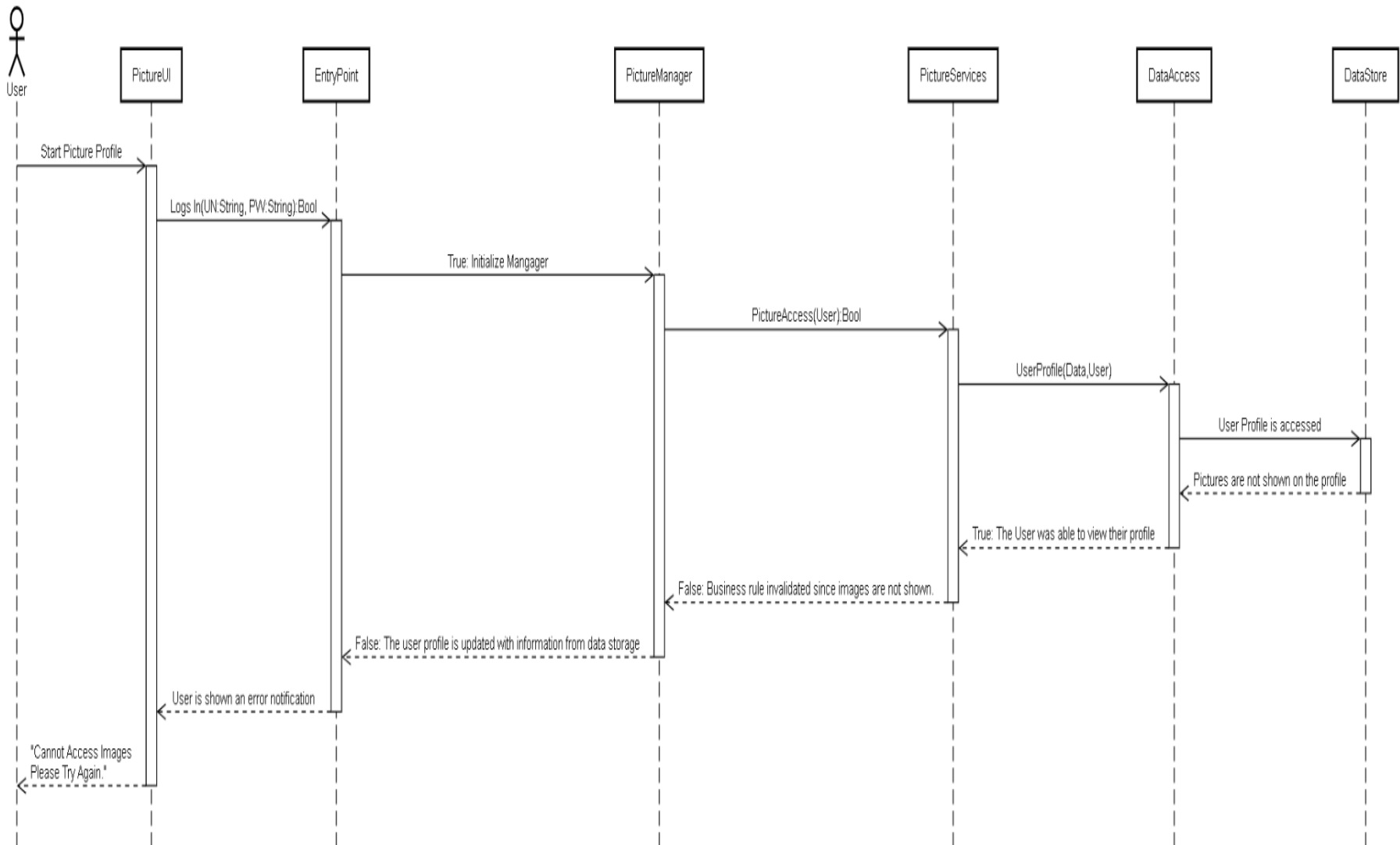
As a User, I want to upload an image, but the image is of invalid format (not .jpeg or .png).



As a User, I want to upload an image, but the image is larger than 9 megabytes.

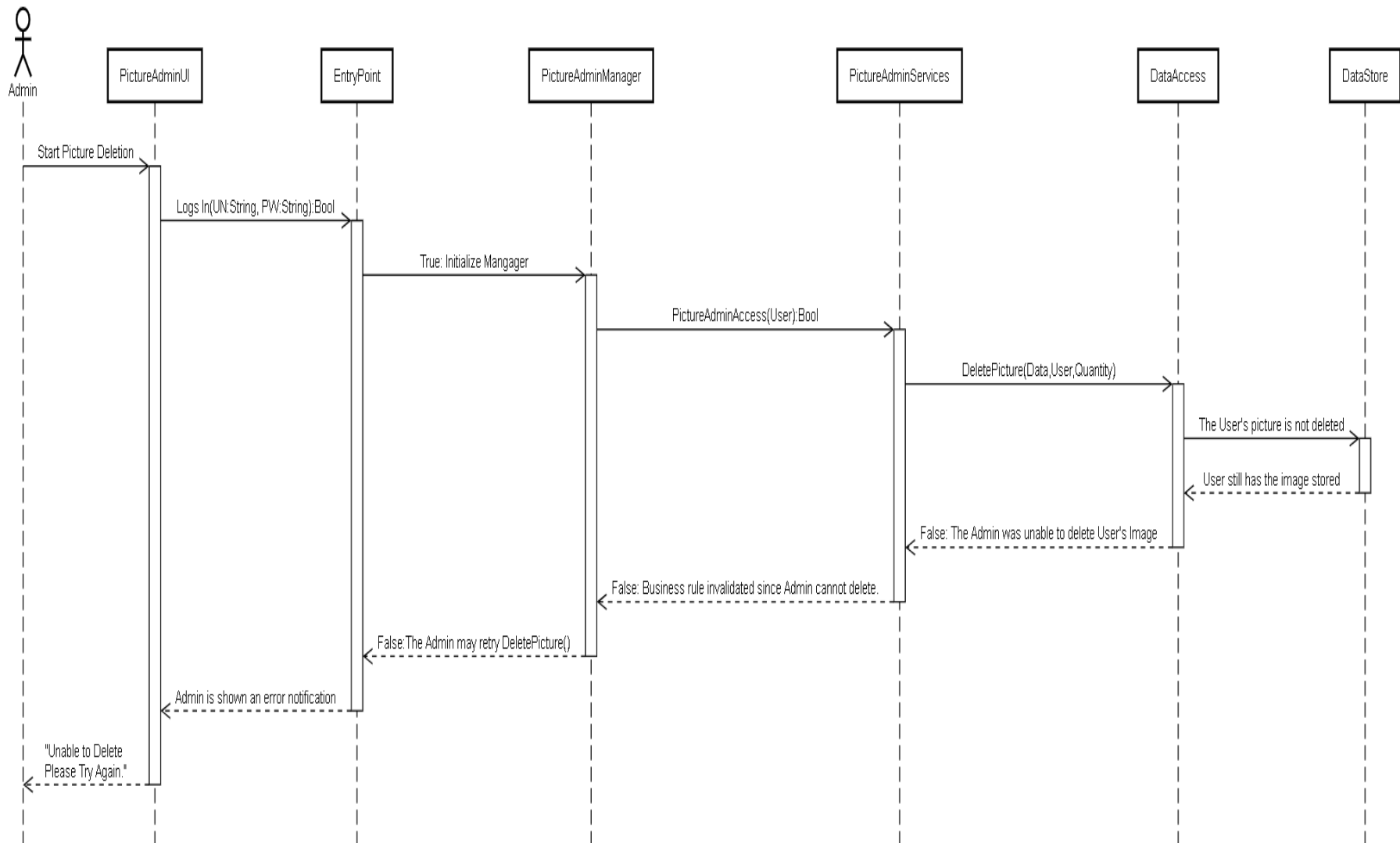


As a User, I want to access my images, but they are not on my User Profile.

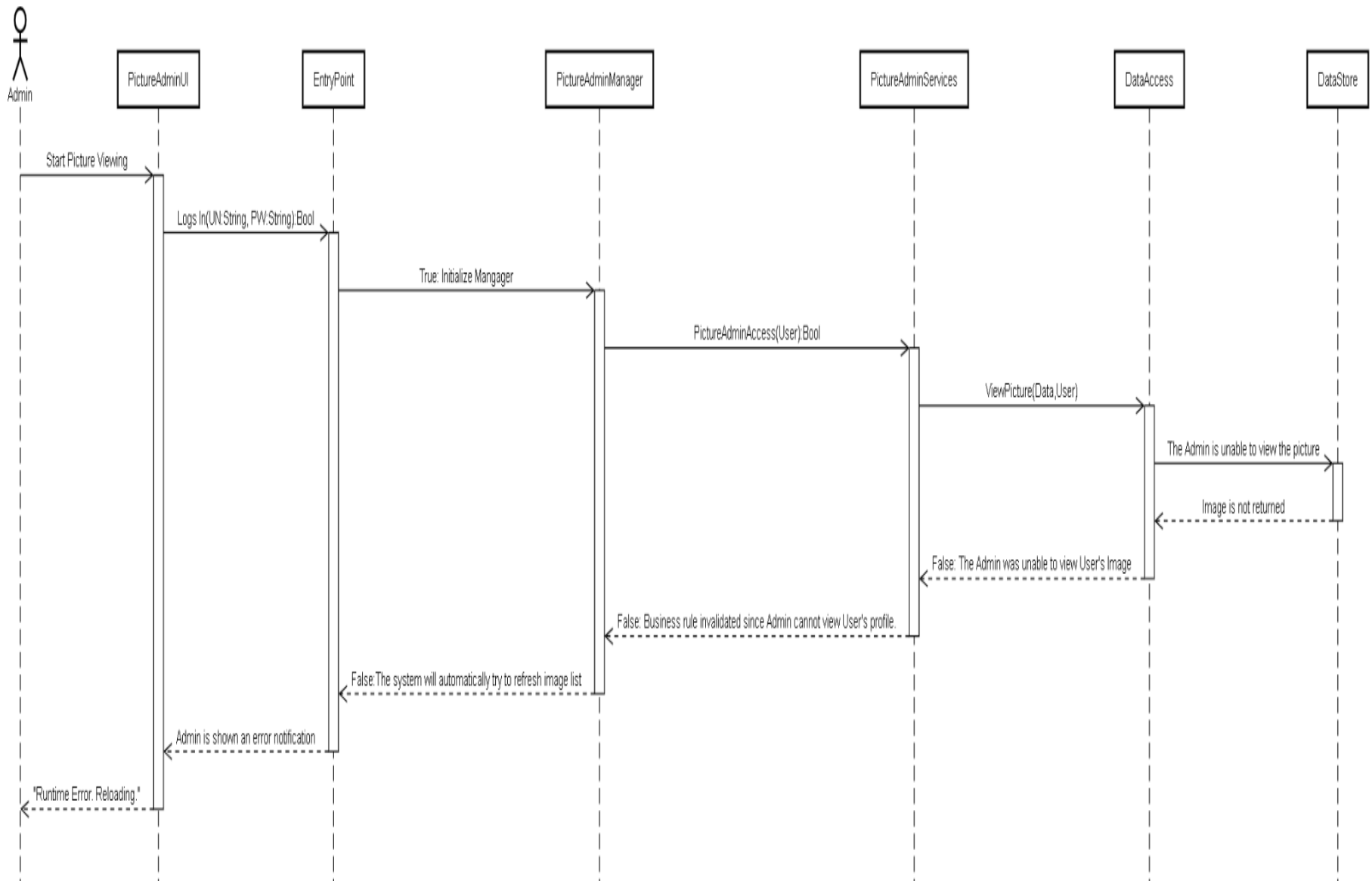


## Picture Upload(Admin) Failure Conditions

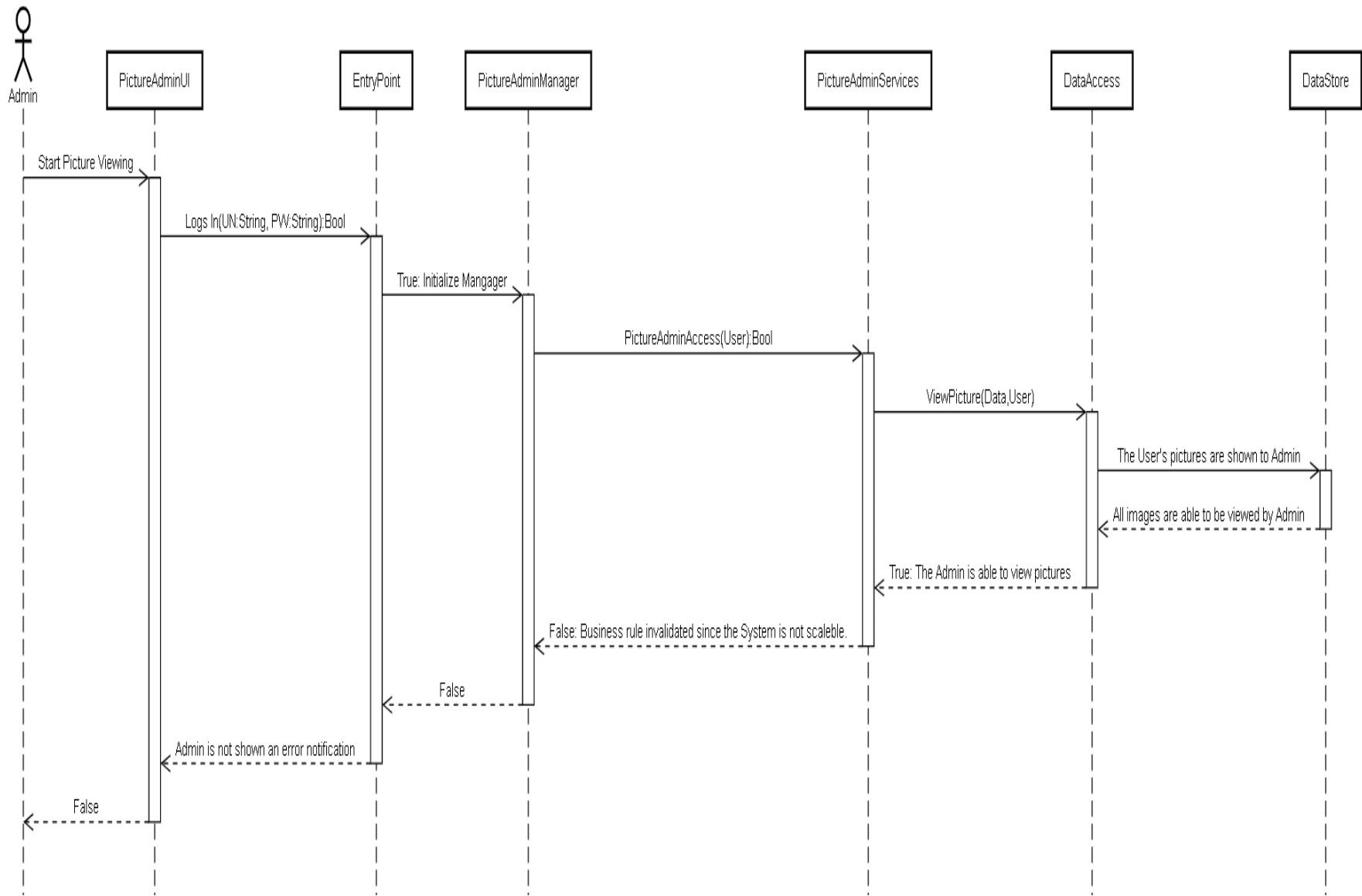
As an Admin, I want to delete images, but they are being stored.



As an Admin, I want to view images, but they take more than 7 seconds to load.



As an Admin, I want to access images, but the system slows due to too many images.



## **References**

<https://sequencediagram.org/>

mermaid.live