**Learning Hub**

Design Document

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Comments** |
| 27/4/2023 | Version 1 | Hasnaa  Nada | Create Design document |
| 4/5/2023 | Version 2 | Hasnaa | Update generic and model based section |
| 7/5 | Version 3 | Hasnaa | 1:Update Login and Register Design  2:add sequence diagram for each function |

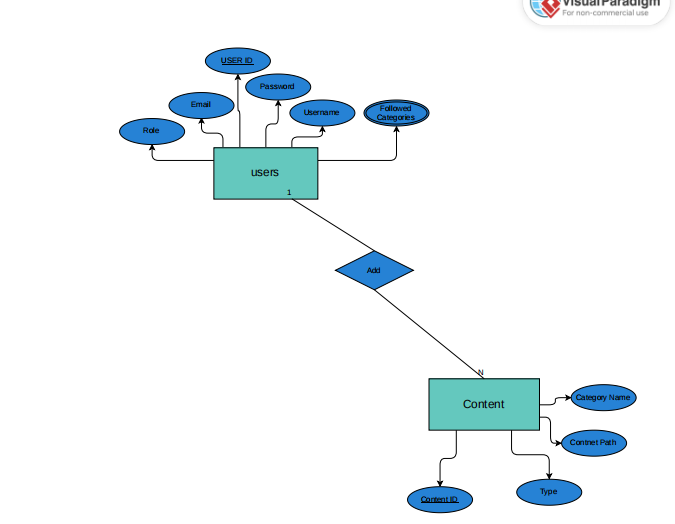
# **1. Introduction**

Learning Hub Web Application is a e-Learning project aims to create an engaging and informative online articles, videos, and records. that helps learners achieve the desired learning outcomes, but this is from the macro perspective. This release will have limited features. Over a period of time, new and new functionalities will be added to the site.

Learning hub is a web platform that will act as an online free encyclopedia hosting tons of information so the users can explore and receive knowledge in different life domain and to be part of the community to contribute and share their knowledge.

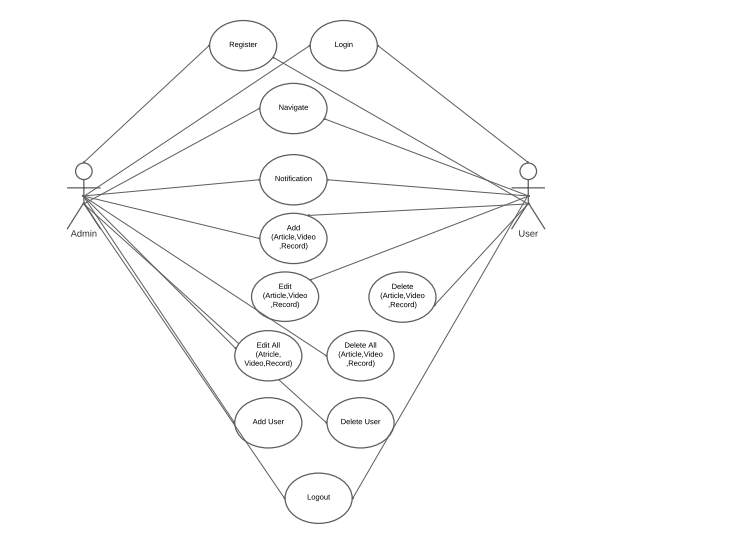
1. Generic Diagrams

ERD\_001

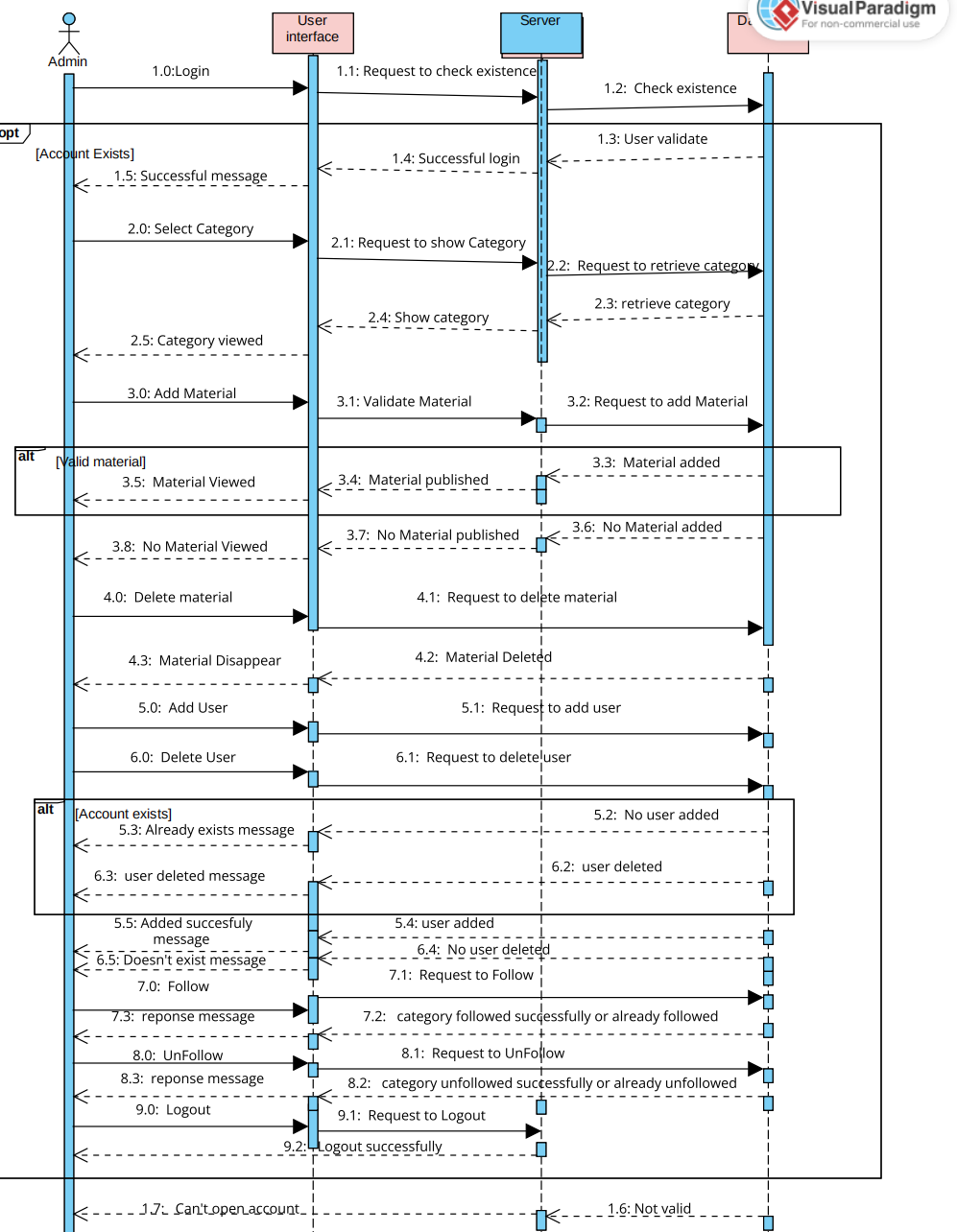


2.2 Use Case

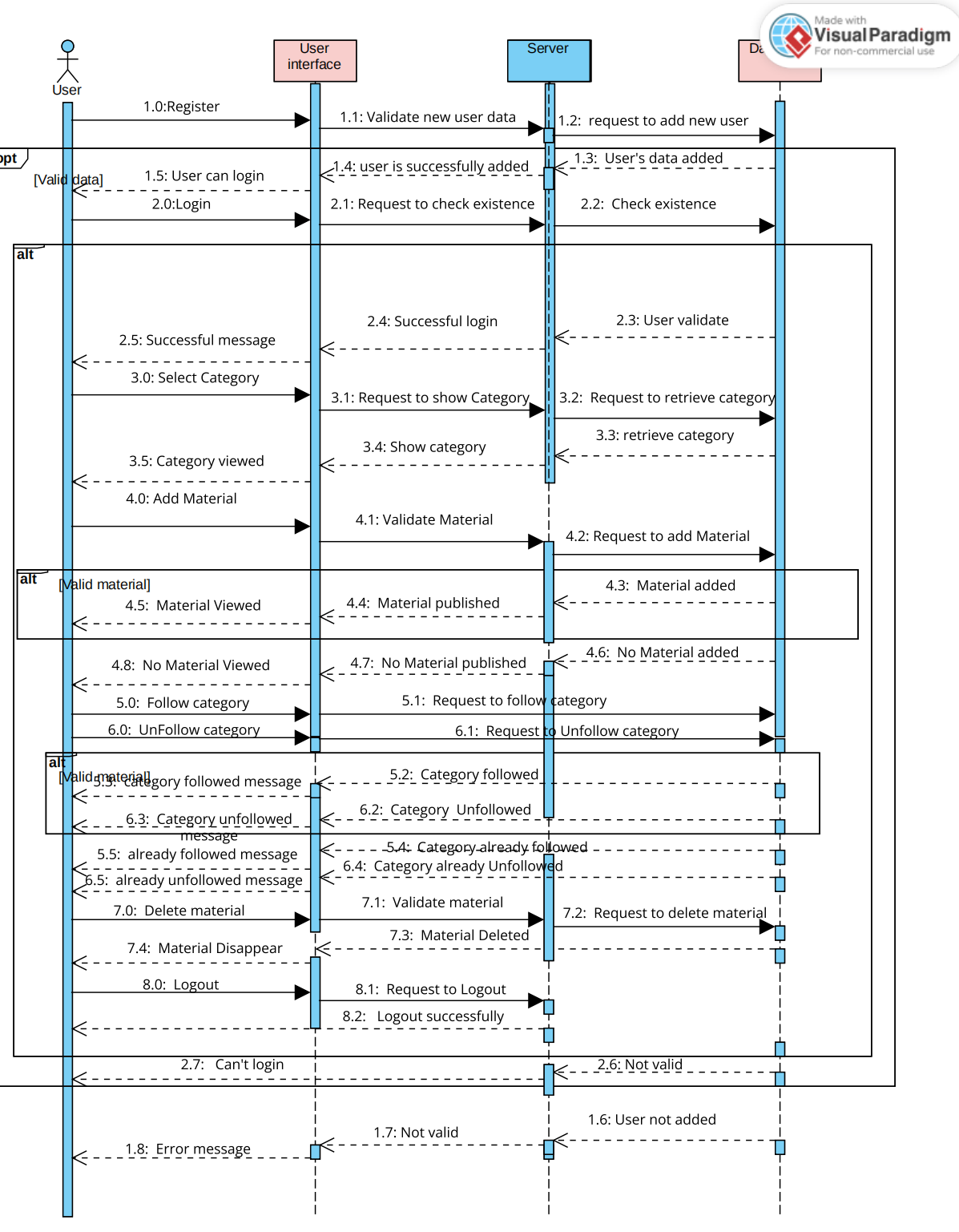
UseCase\_001



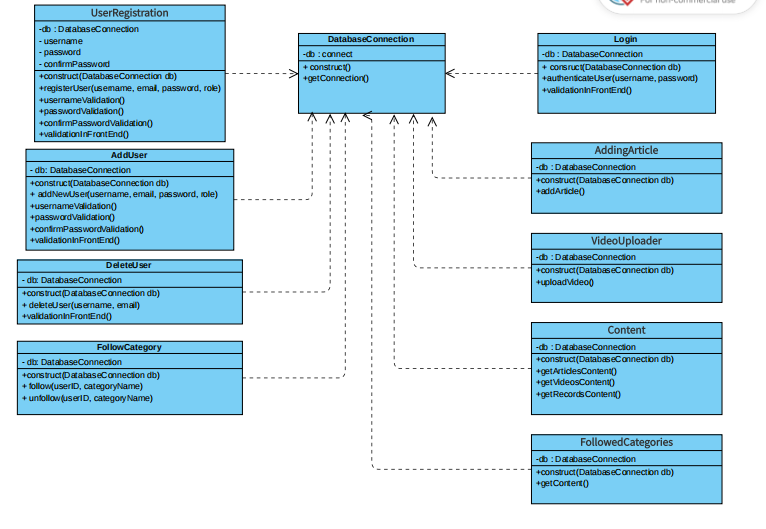
2.3 Admin sequence diagram



2.4 User sequence diagram



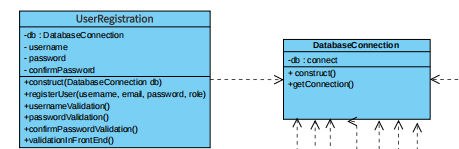
2.6 Class Diagram



3.Model Based Diagram

**3.1 Register**

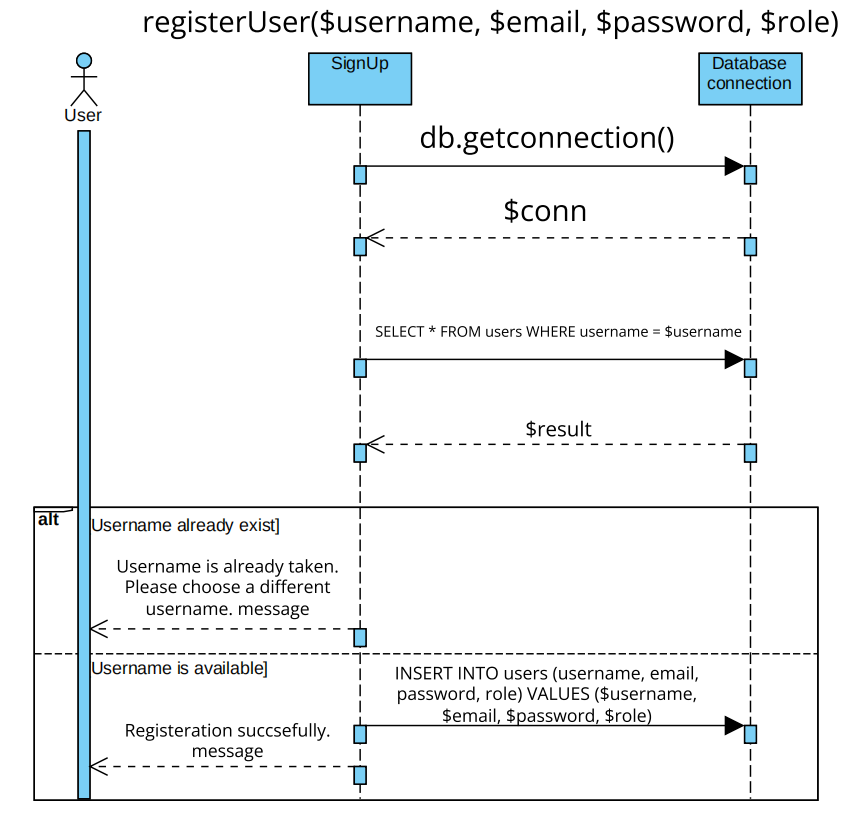
3.1.1 classDiagram\_Register



3.1.2 High Level Design

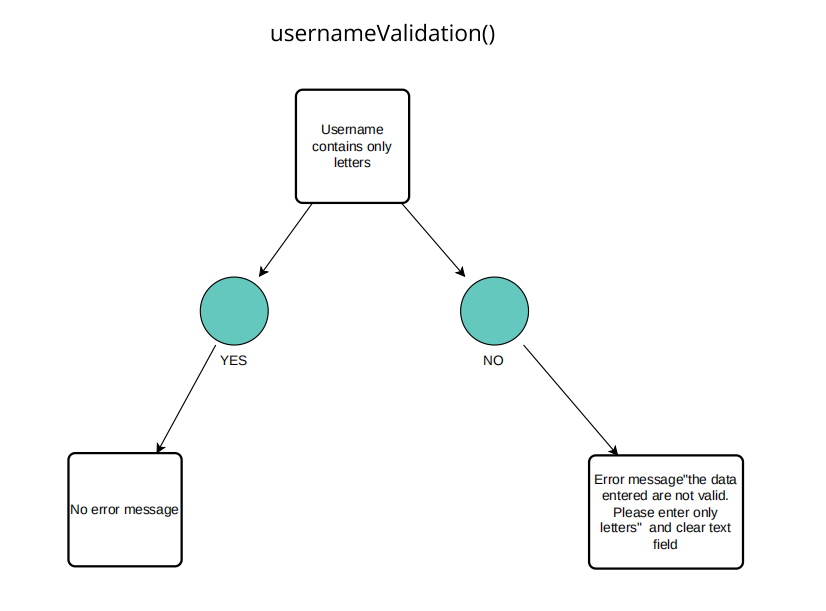
High\_level\_Register

3.1.2.1

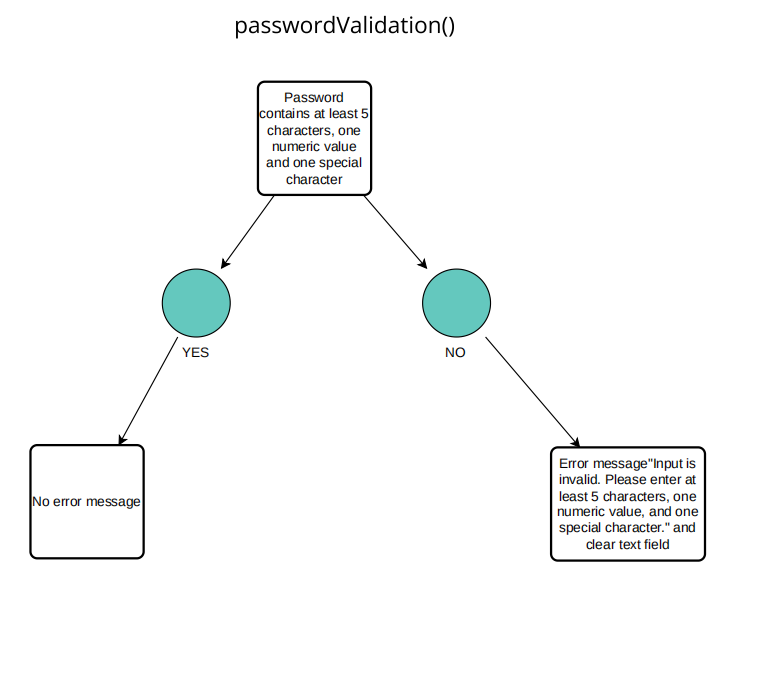


3.1.3 Low Level Design

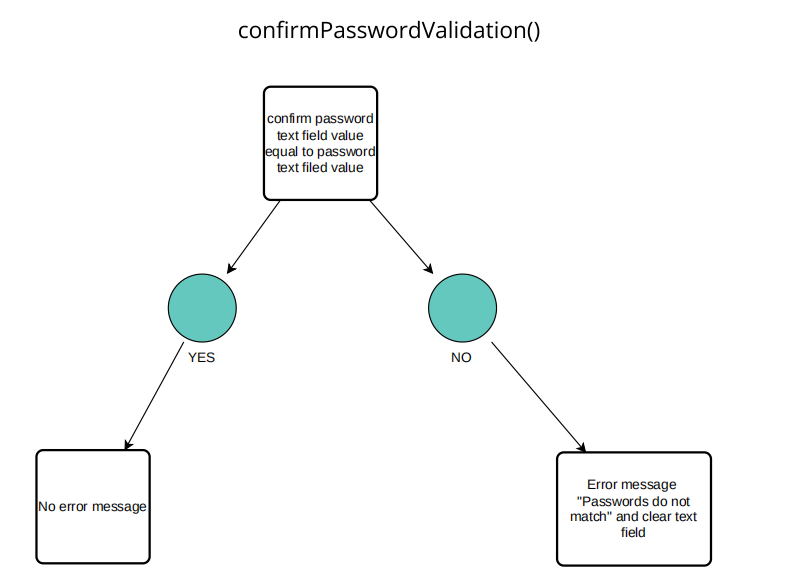
3.1.3.1 Username Validation



3.1.3.2 Password Validation



3.1.3.3 Confirm password validation



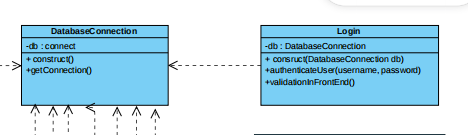
3.1.3.4 Construct(Database $db)

A picture containing text, screenshot, diagram, design

Description automatically generated

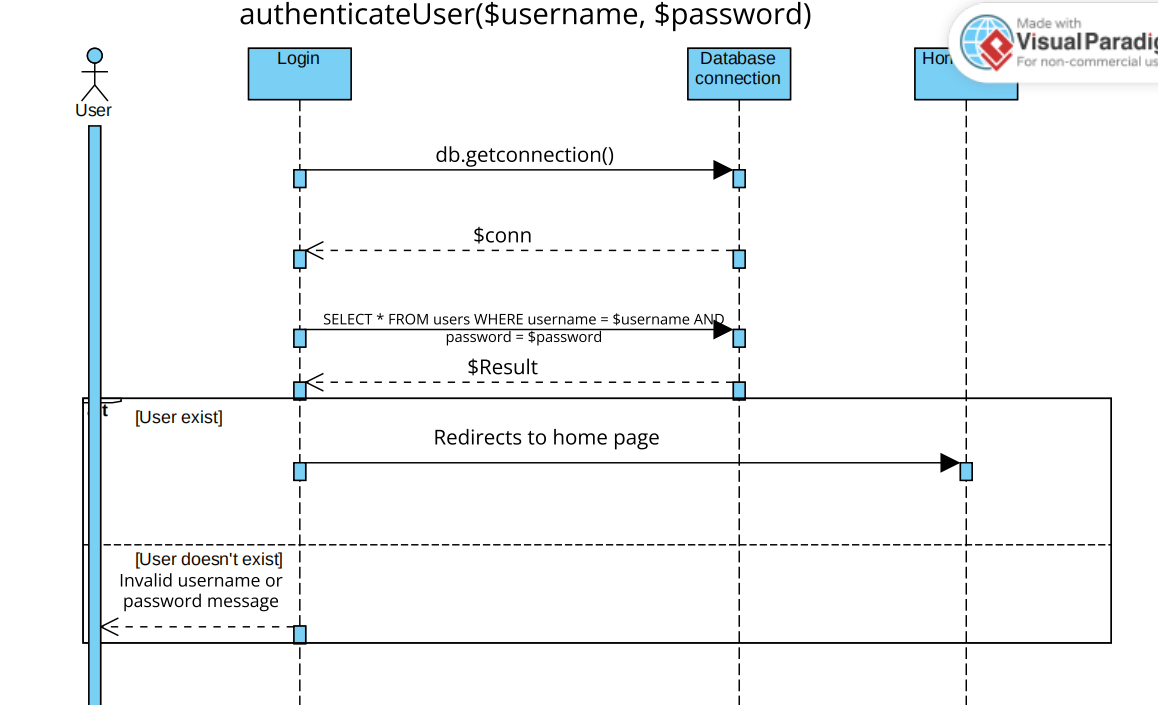
**3.2 Login**

3.2.1 classDiagram Login



3.2.2 High Level Design

High level Login



3.2.3 Low Level Design

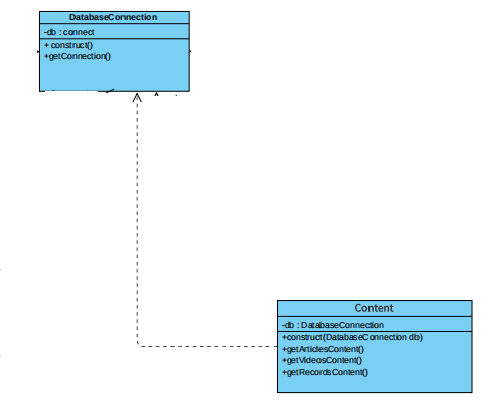
Construct(Database $db)

Look at (3.1.3.4)

**3.3 Add content**

3.3.1 Class Diagram

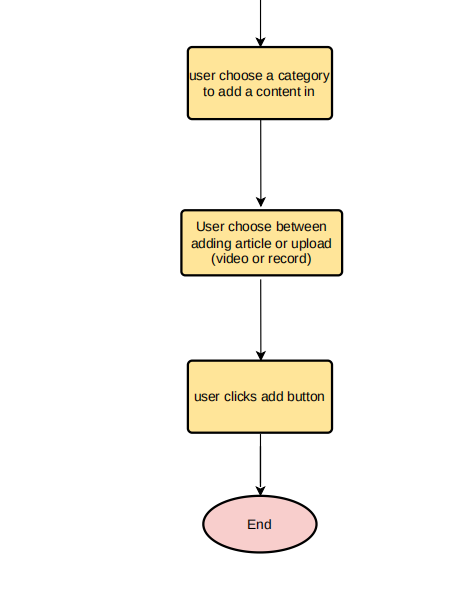
classDiagram\_Add content



3.3.2 Low Level

Low\_Design\_add content

3.3.2.1



3.3.2.2

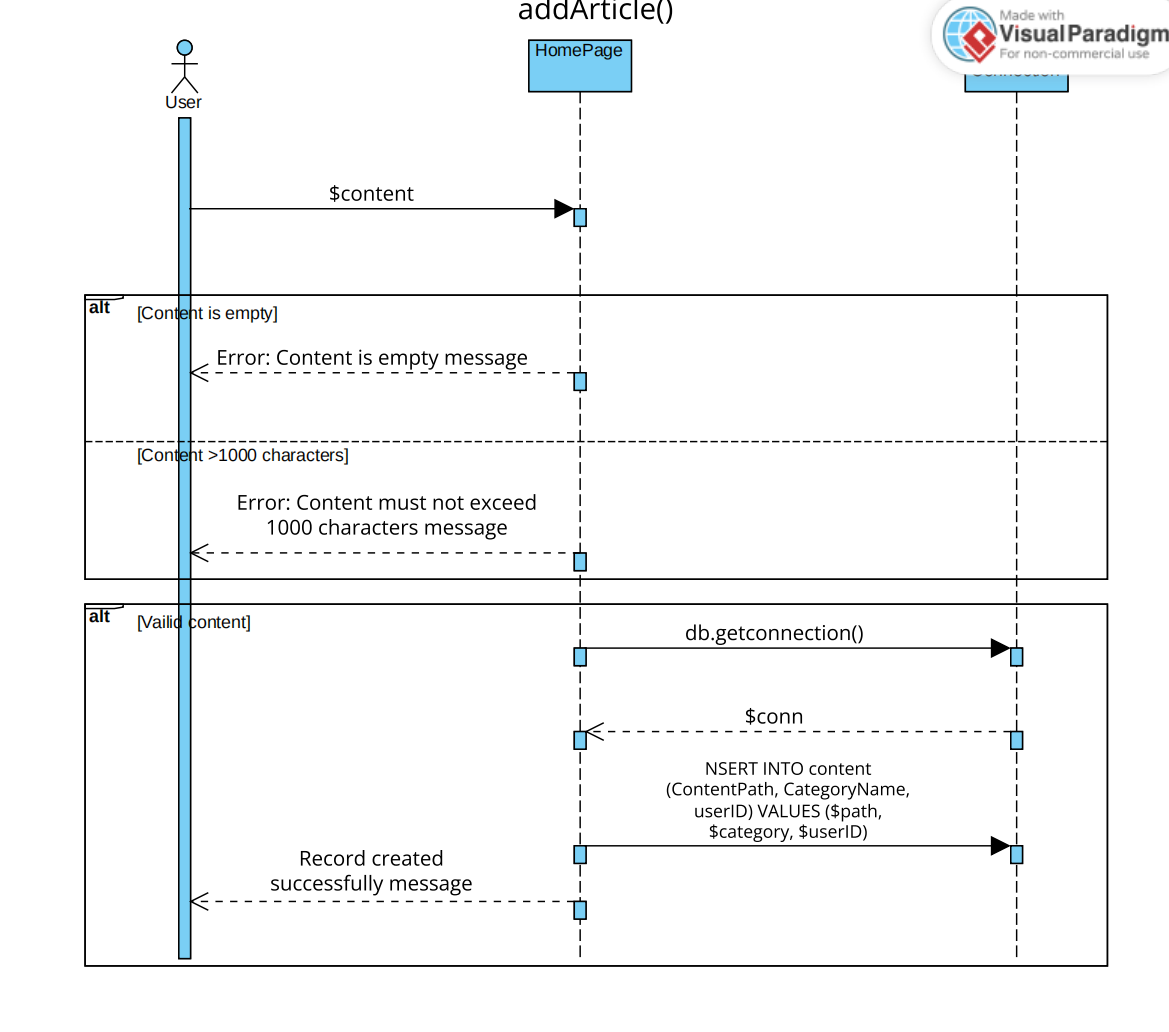
Construct(Database $db)

Look at (3.1.3.4)

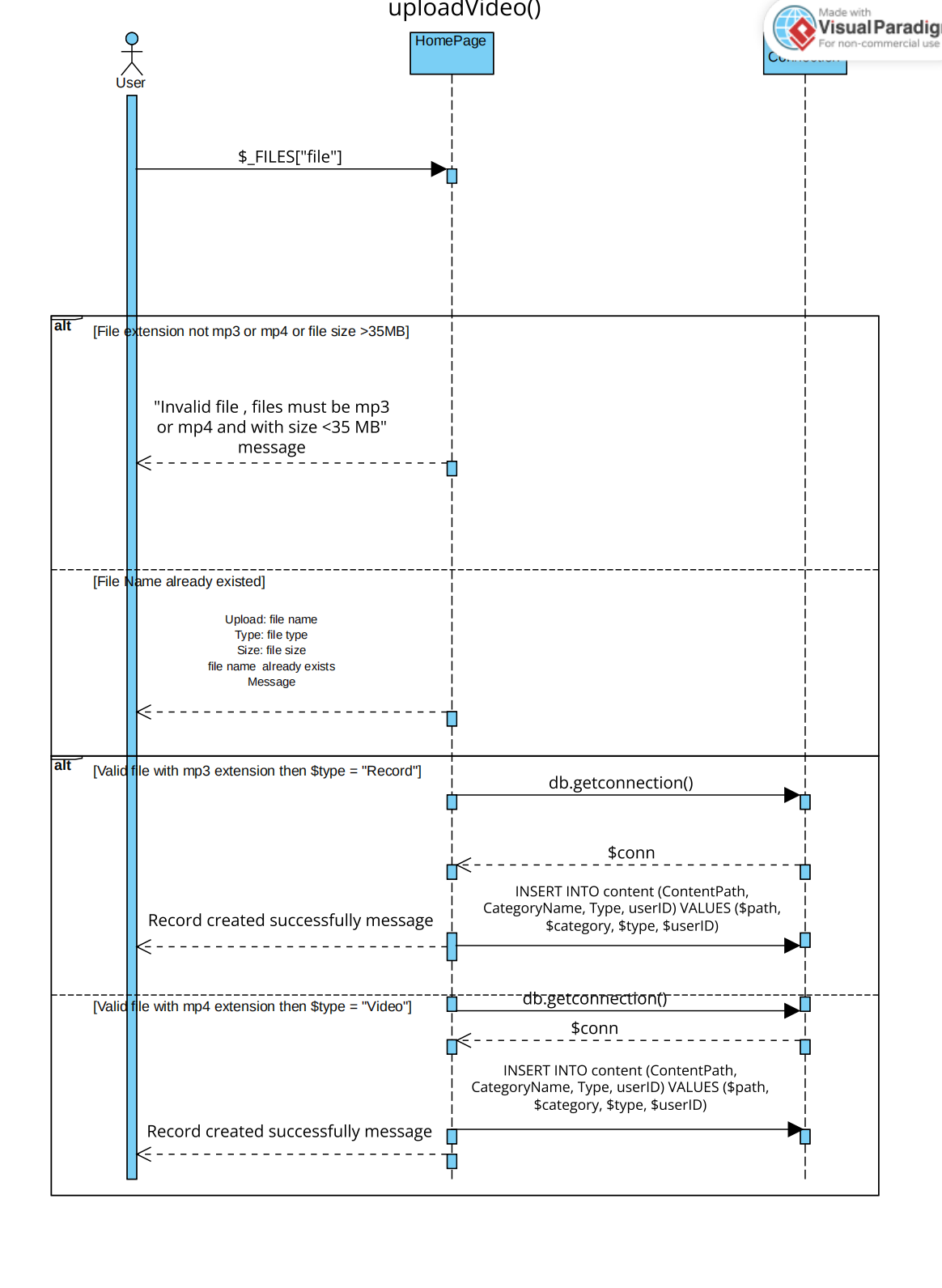
3.3.3 High Level

High\_Design\_add content

3.3.3.1 Add Article



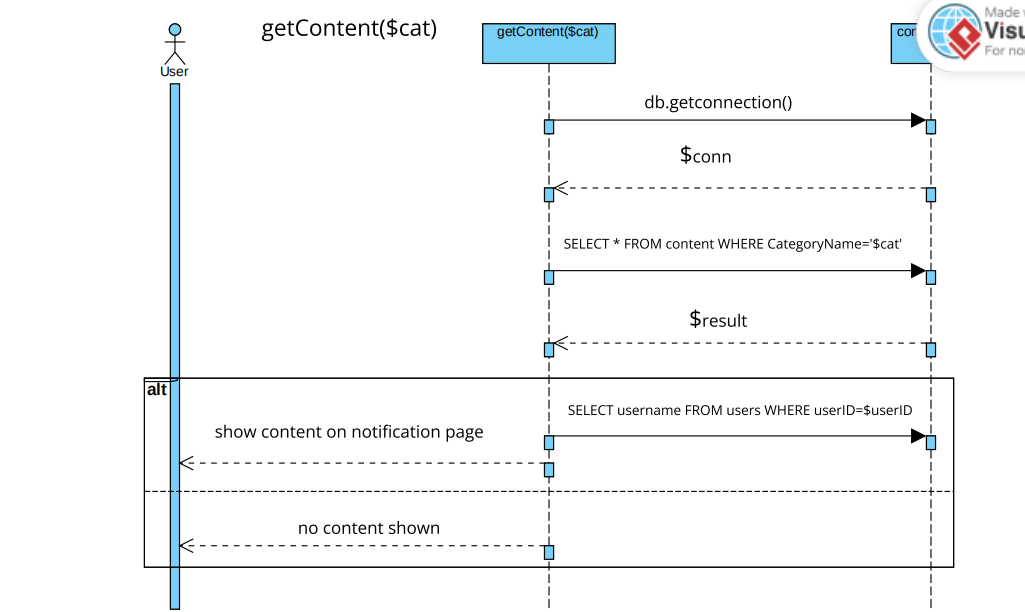
3.3.3.2 Upload Video



**3.4 Notification page**

3.4.1 High Level

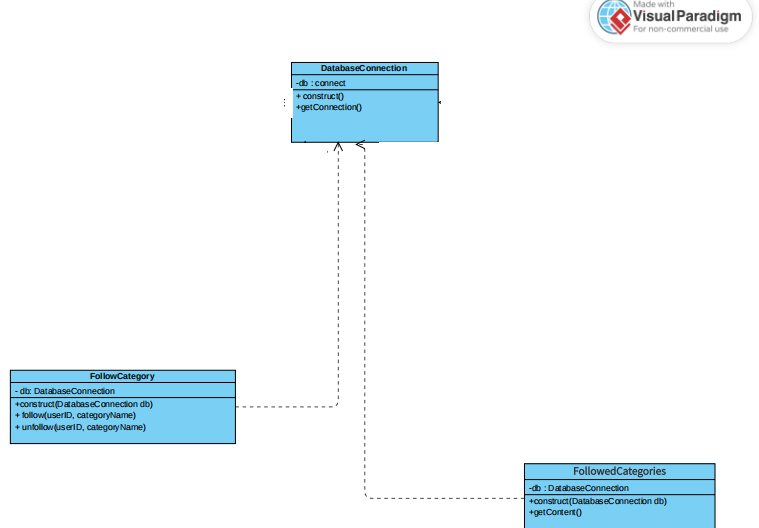
High\_Design\_Notification



3.5 Follow Category

3.5.1 Class Diagram

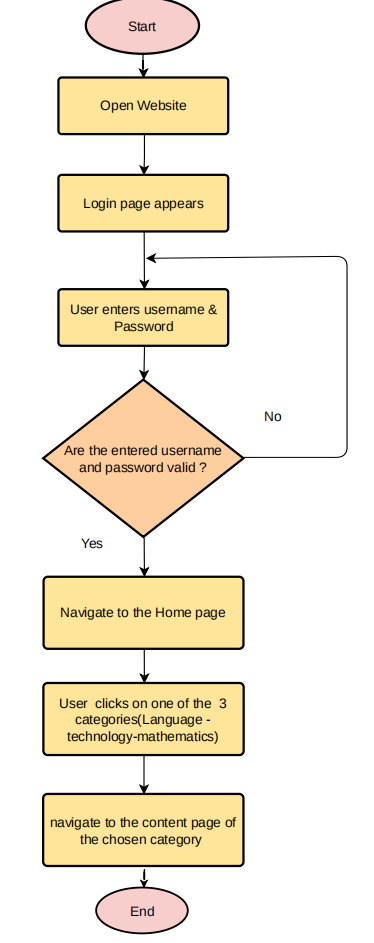
classDiagram\_Follow Category



3.5.2 Low Level

3.5.2.1

Low\_Design\_ Follow Category



3.5.2.2

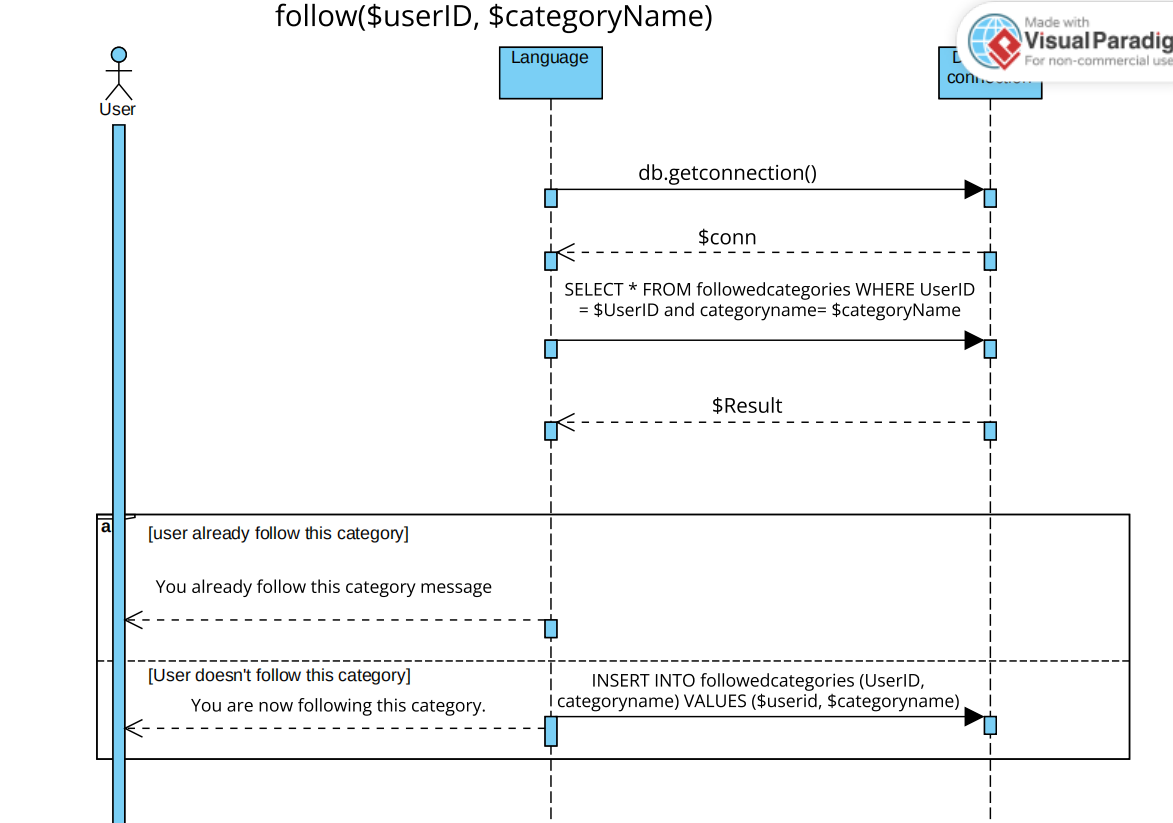
Construct(Database $db)

Look at (3.1.3.4)

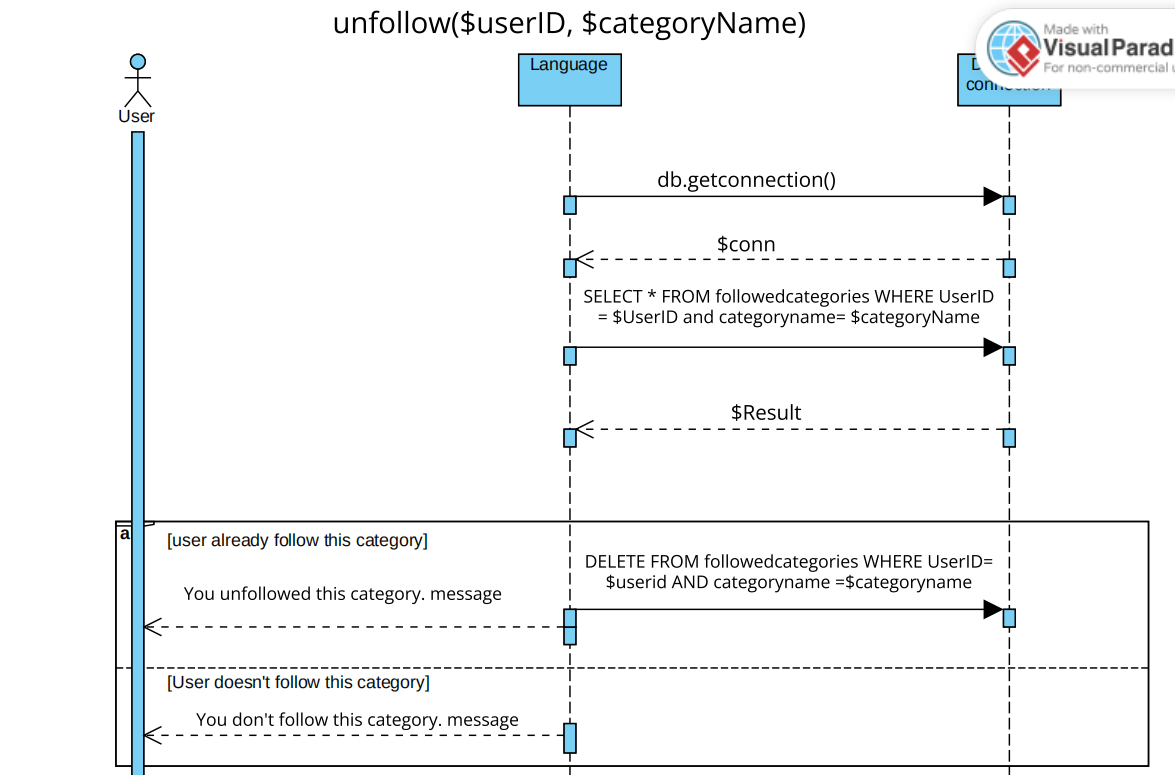
3.5.3 High Level

High\_Design\_ Follow Category

3.5.3.1

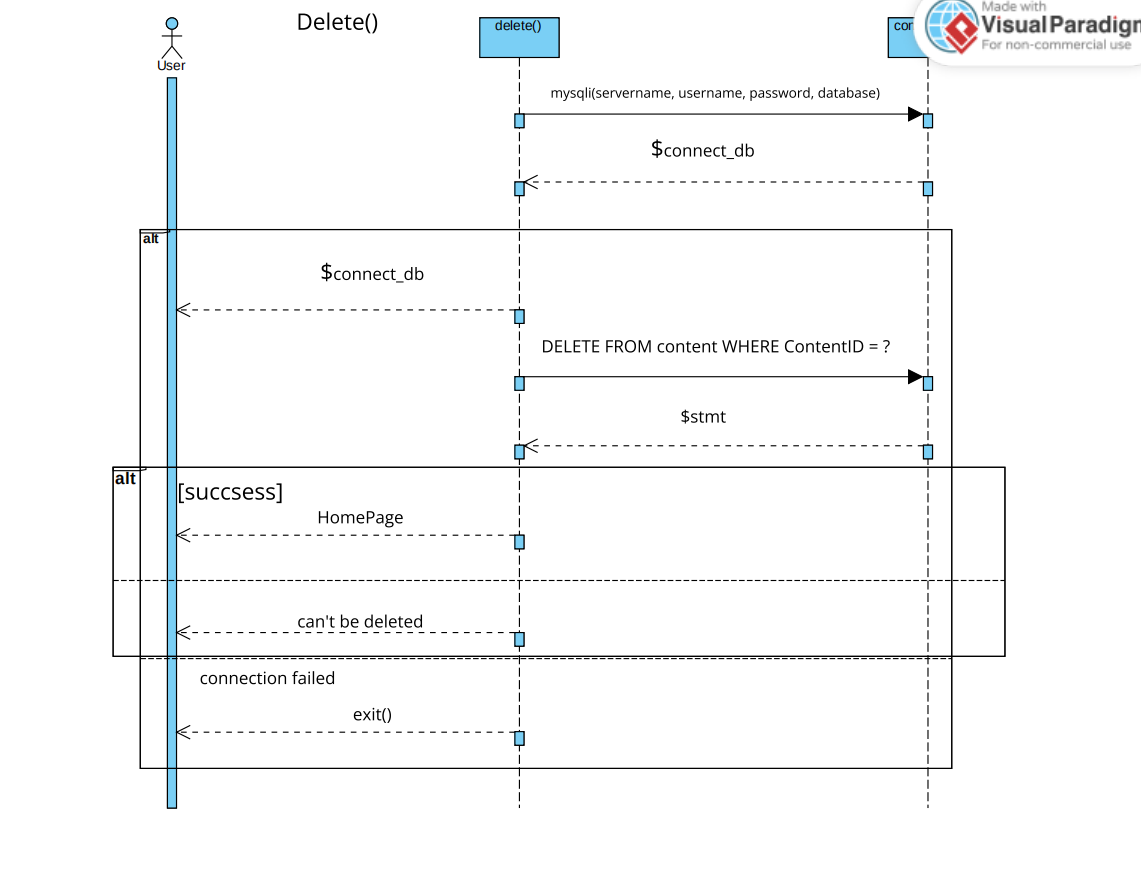


3.5.3.2



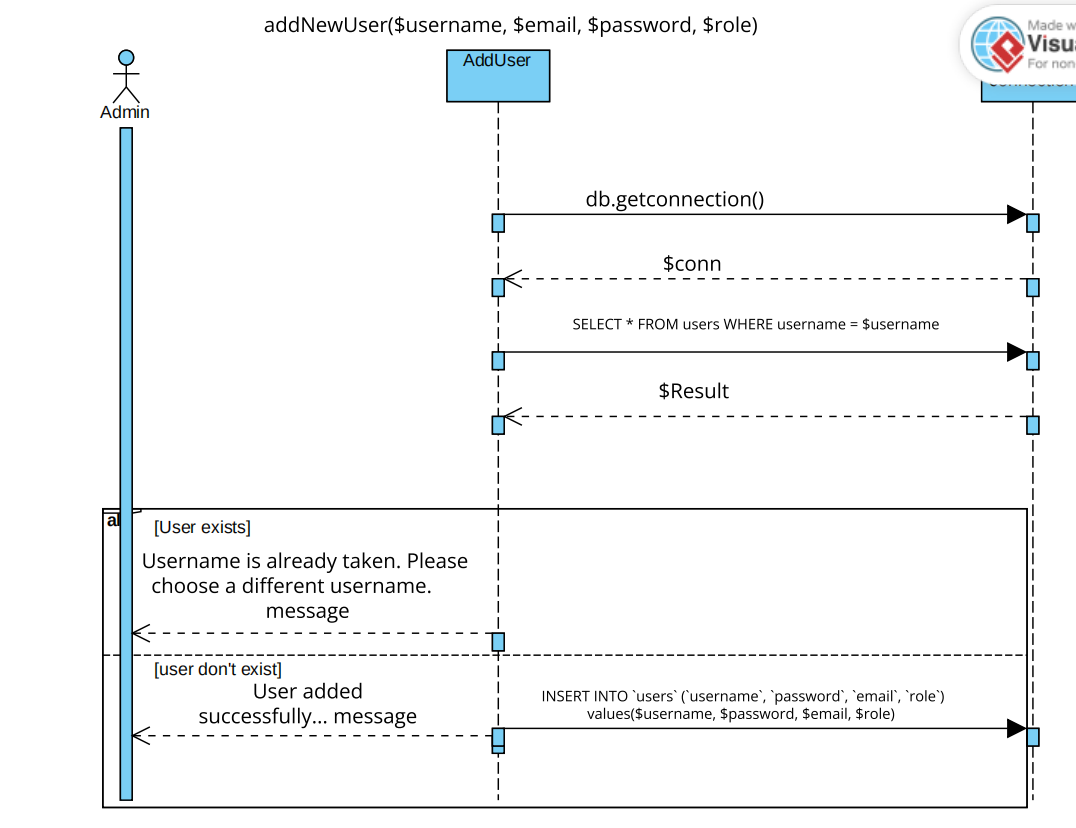
3.6 Delete Content

3.6.1 High Level Design

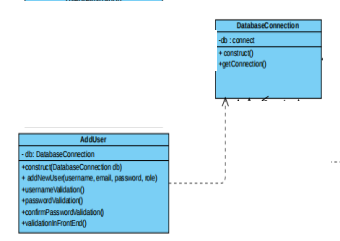


3.7 Add User

3.7.1 High Level Design

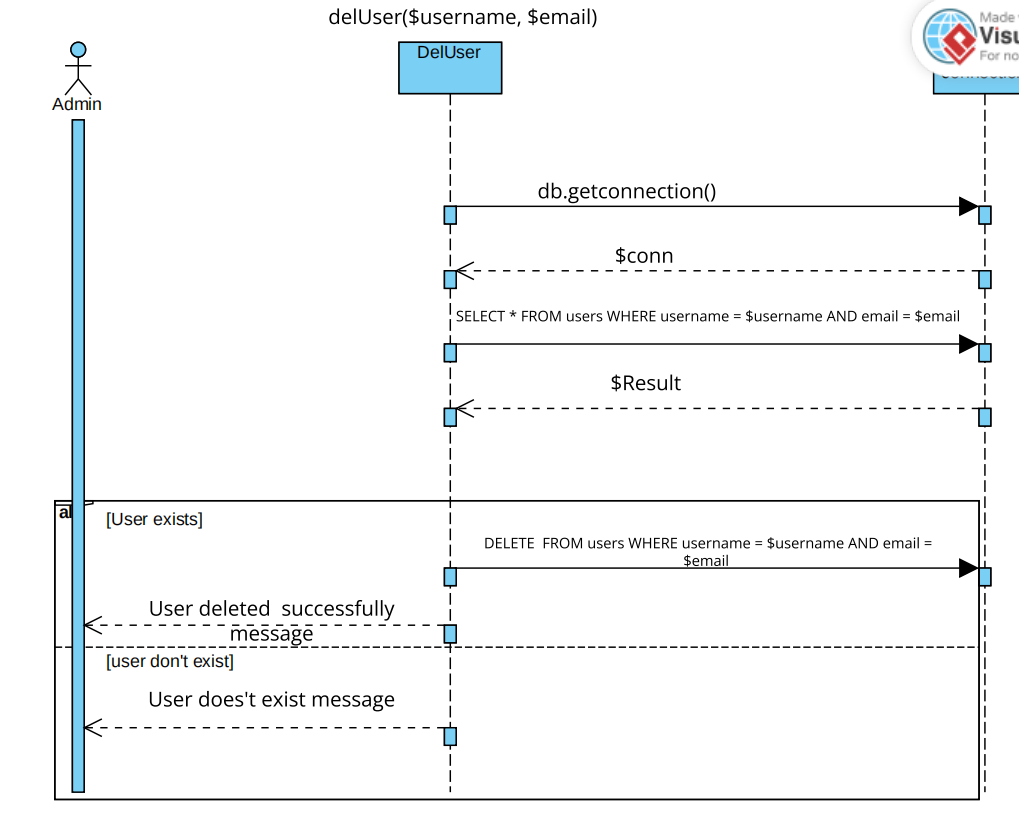


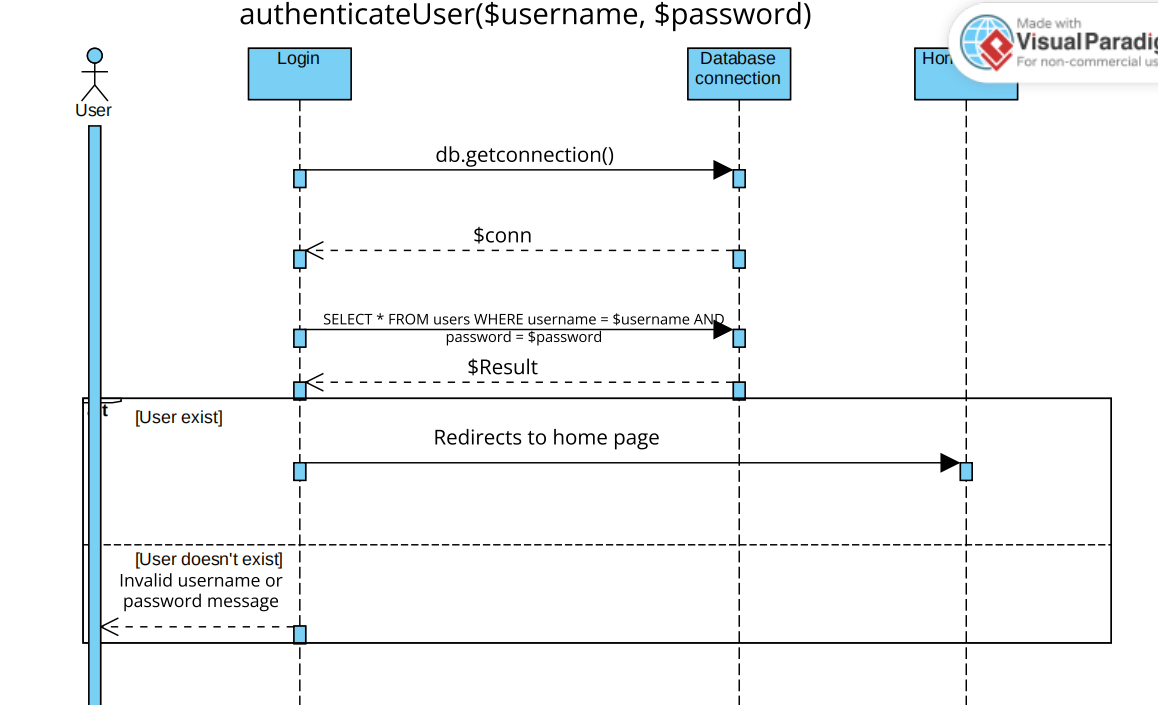
3.7.2 Class Diagram



3.8 Delet User

3.8.1 High Level Design





3.8.2 Class Diagram

