**Learning Hub**

Design Document

Version 1

27/4/2023

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Comments** |
| 27/4/2023 | Version 1 | Hasnaa  Nada | Create Design document |
| 5/5/2023 | Version 2 | Hasnaa | Update generic and model based section |

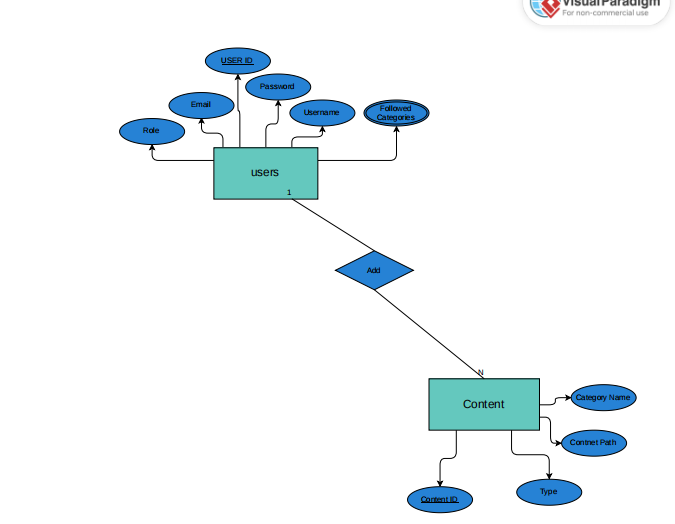
# **1. Introduction**

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.

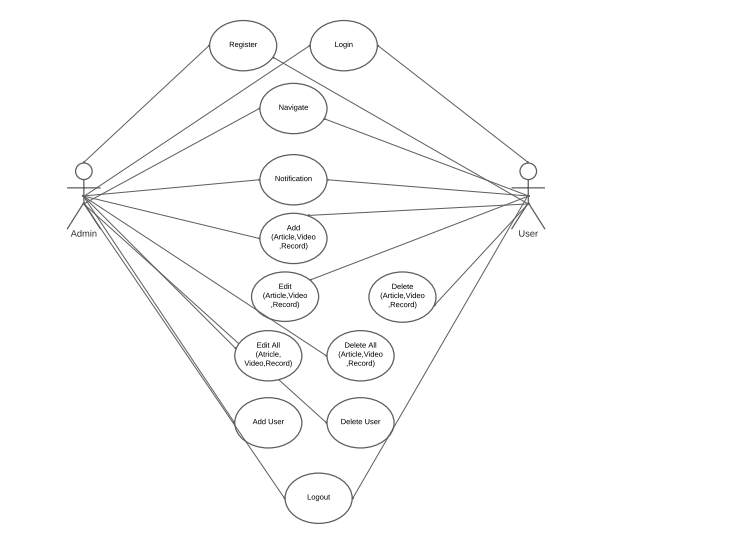
1. Generic Diagrams

ERD\_001

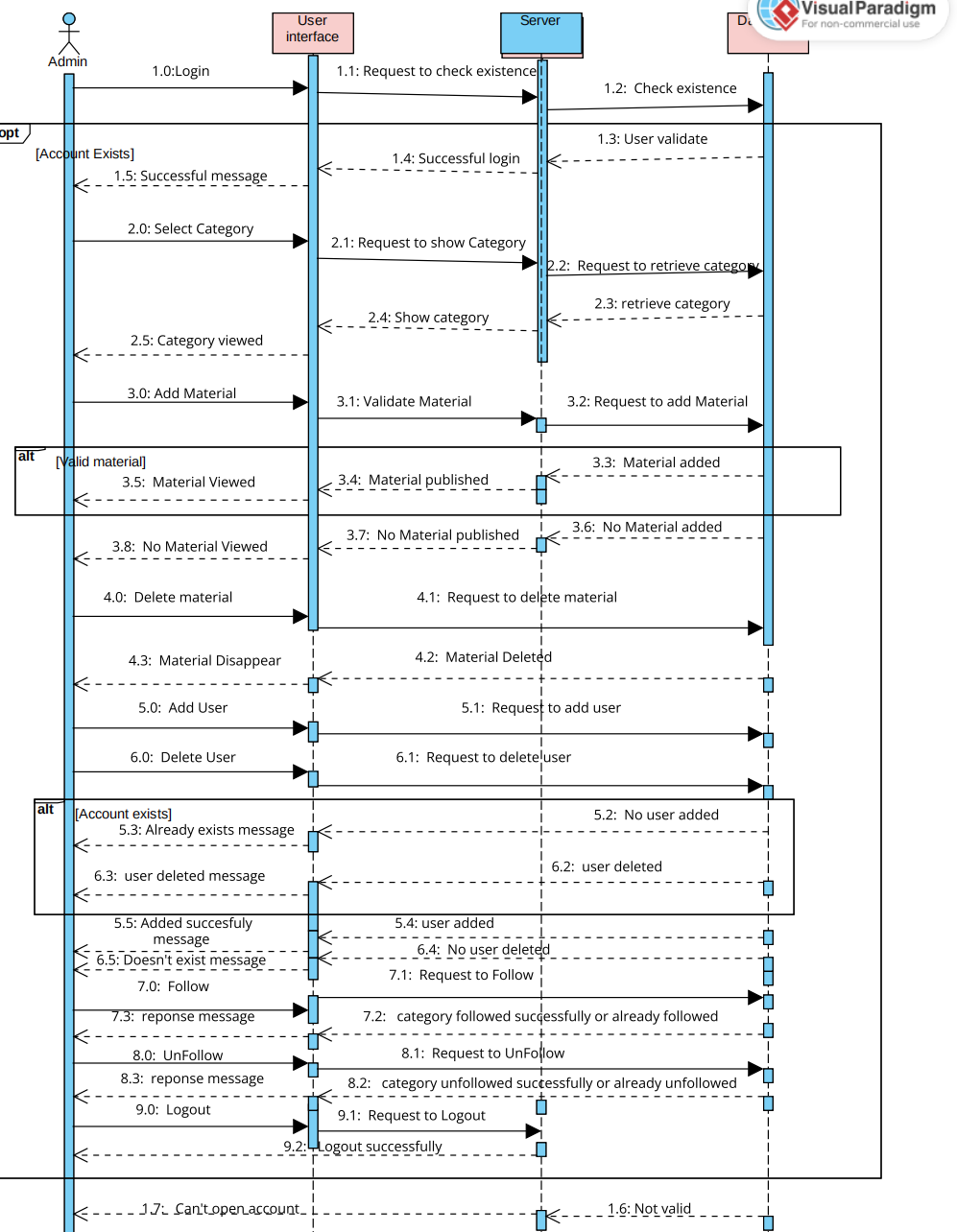


2.2 Use Case

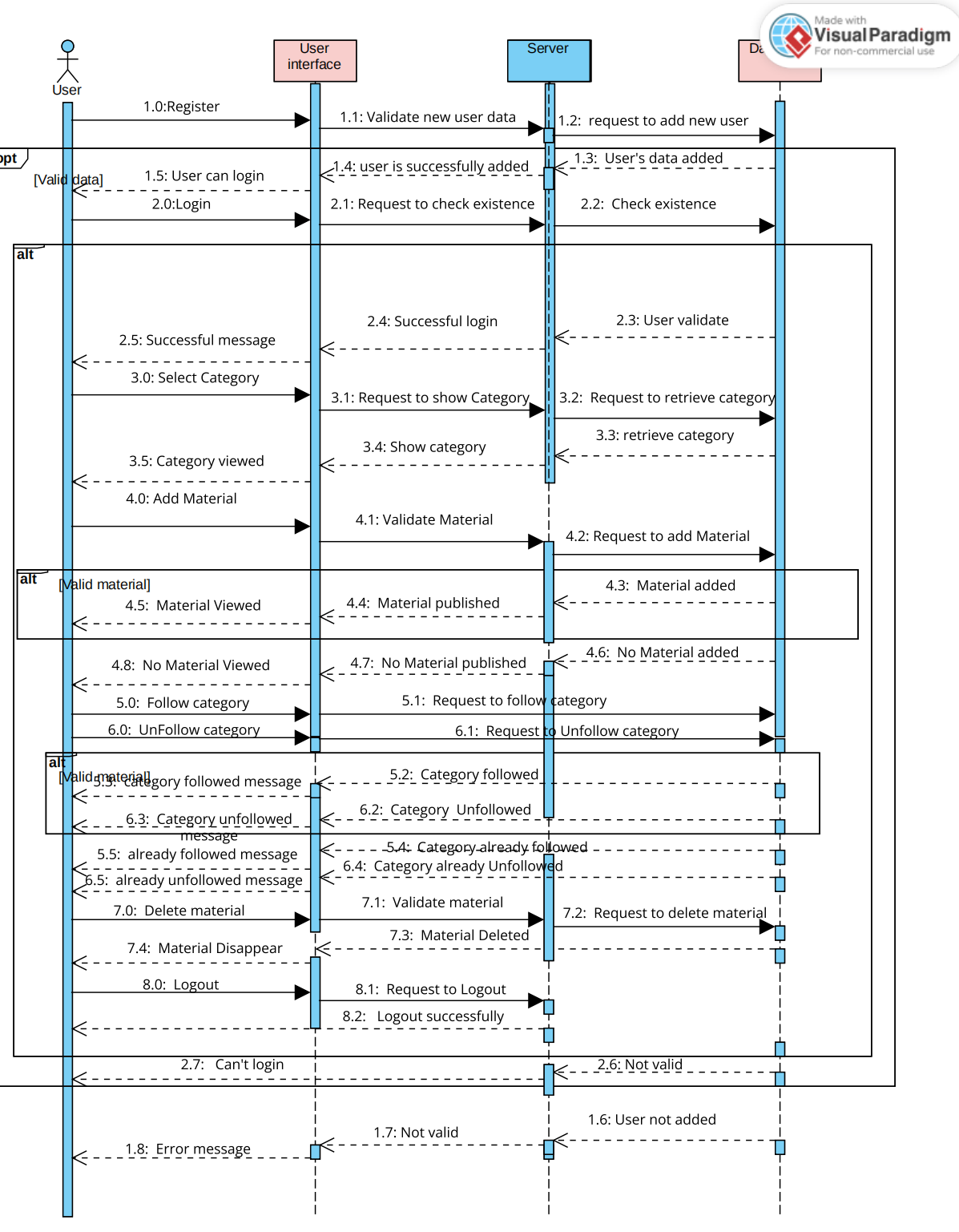
UseCase\_001



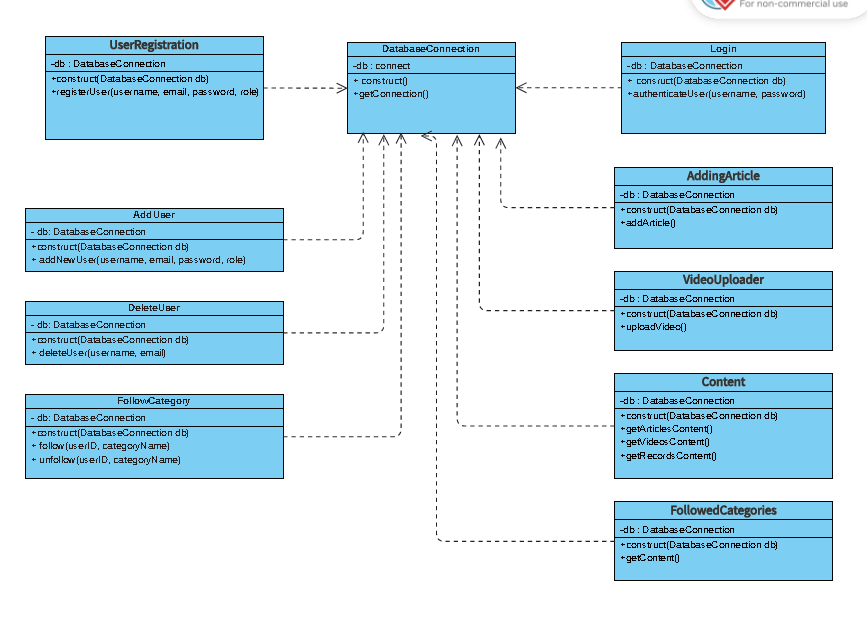
2.3 Admin sequence diagram



2.4 User sequence diagram



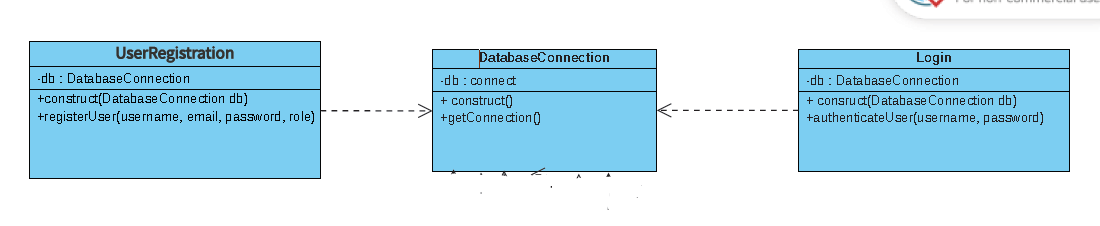
2.6 Class Diagram



3.Model Based Diagram

**3.1 Login and Register**

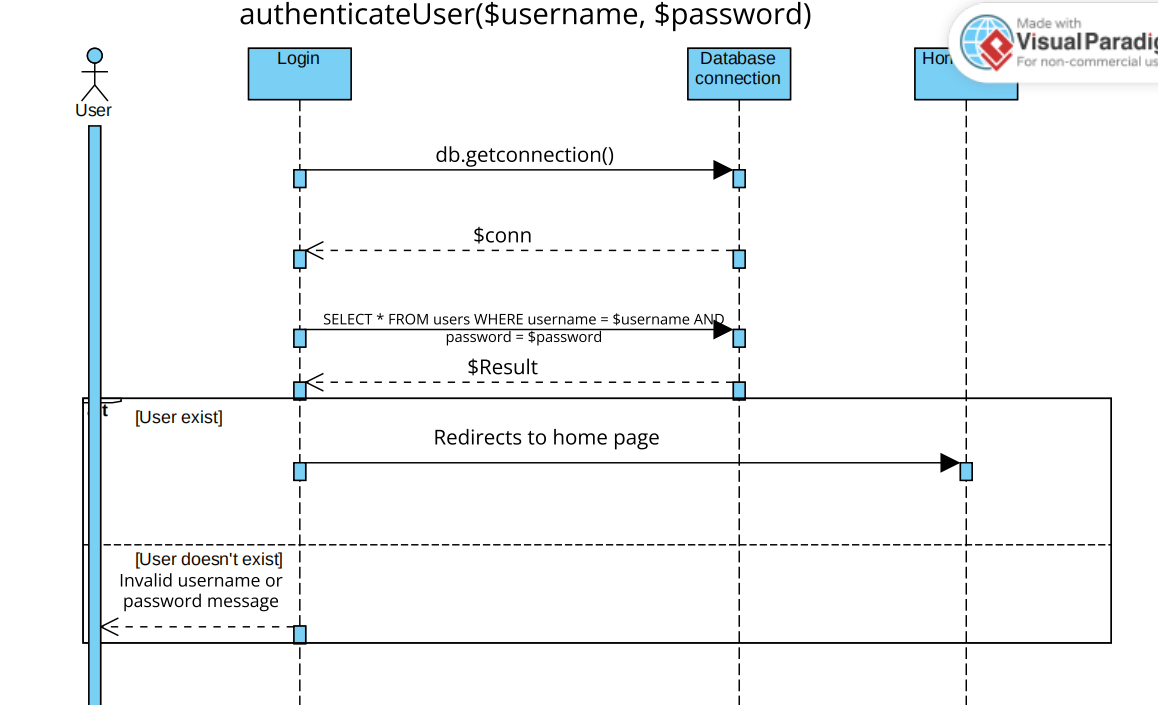
3.1.1 classDiagram\_login and Register\_001



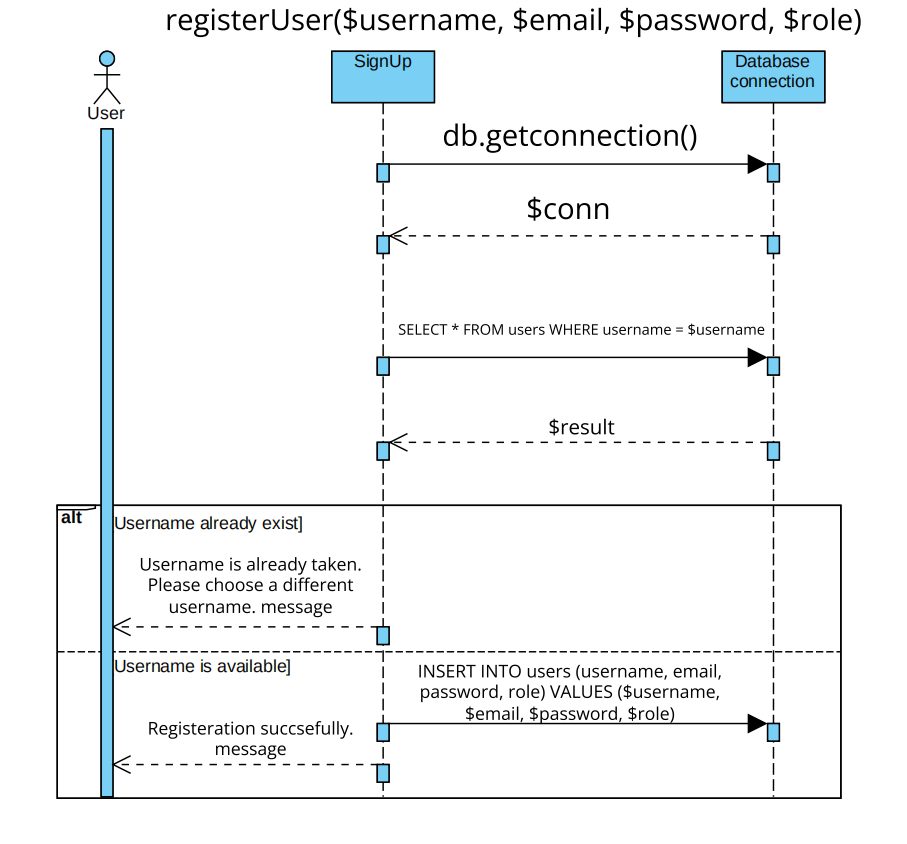
3.1.2 High Level Design

High\_level\_login & register

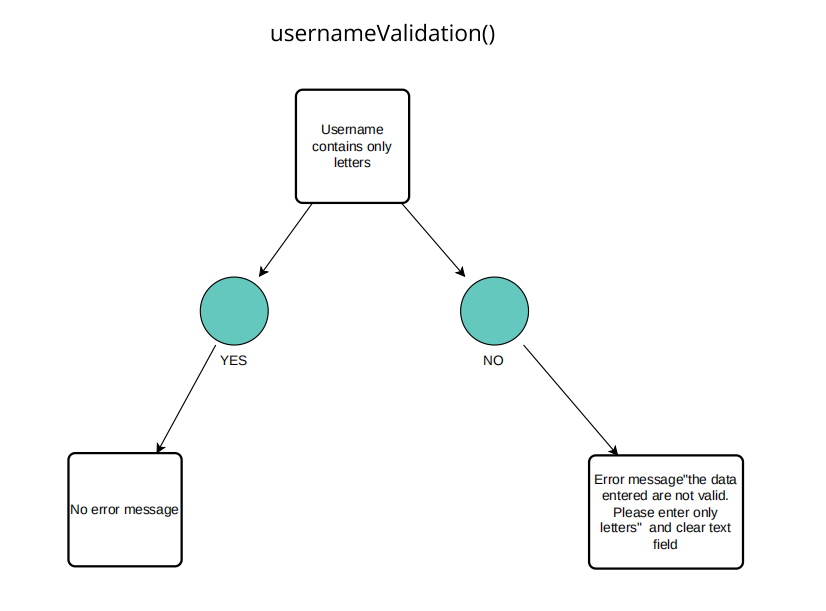
3.1.2.1



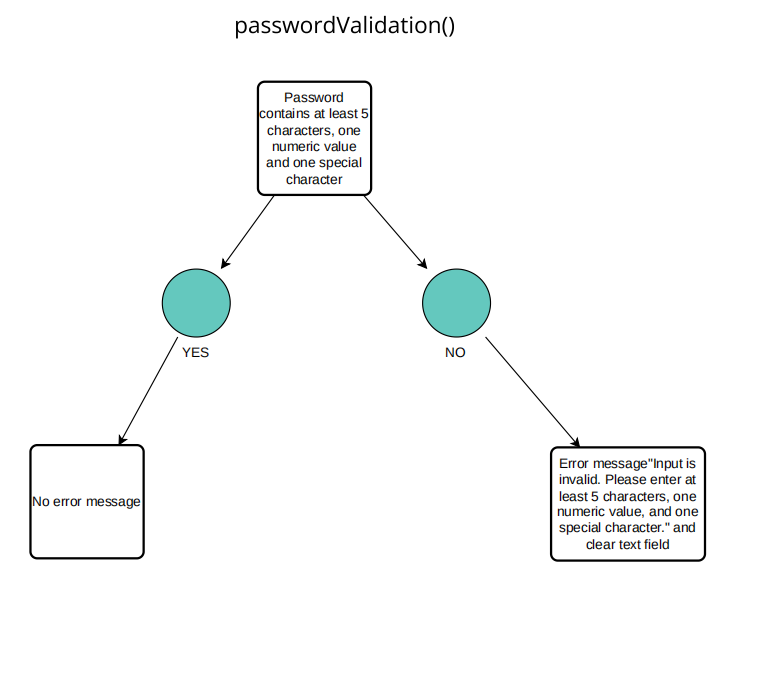
3.1.2.2



3.1.2.3 Username Validation



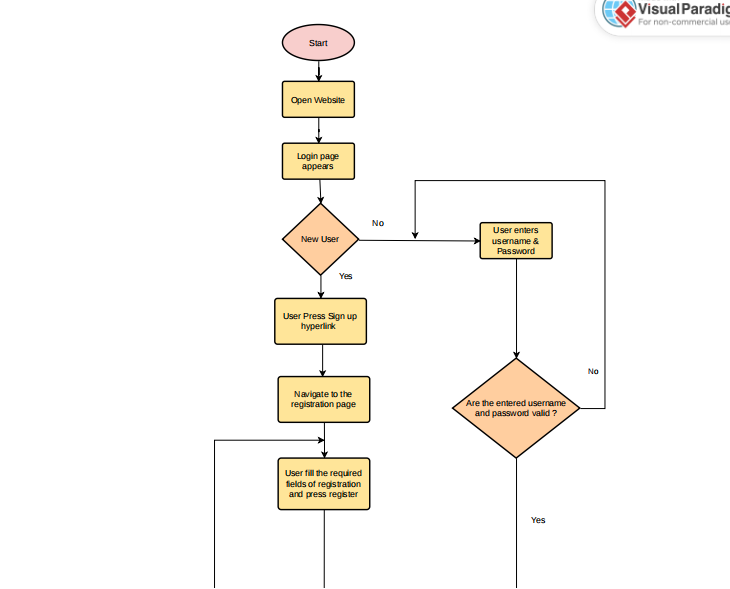
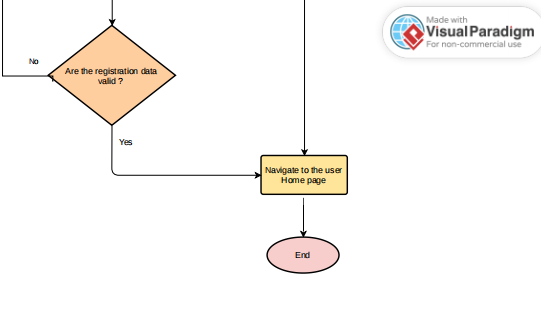
3.1.2.4 Password Validation



3.1.3 Low Level

Low\_Design\_login& register

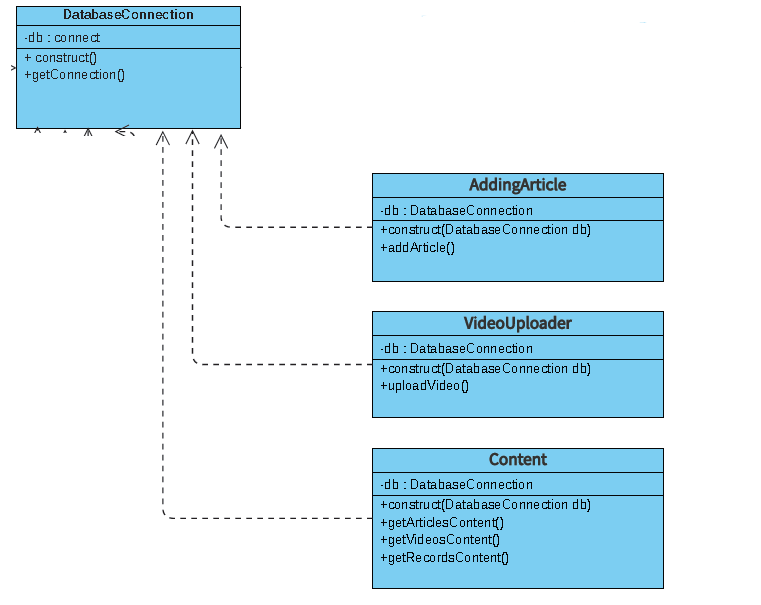
3.1.3.1



**3.2 Add content**

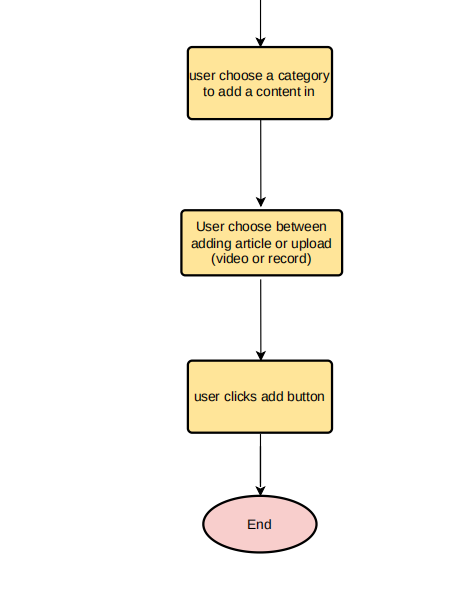
3.2.1 Class Diagram

classDiagram\_Add content\_001



3.2.2 Low Level

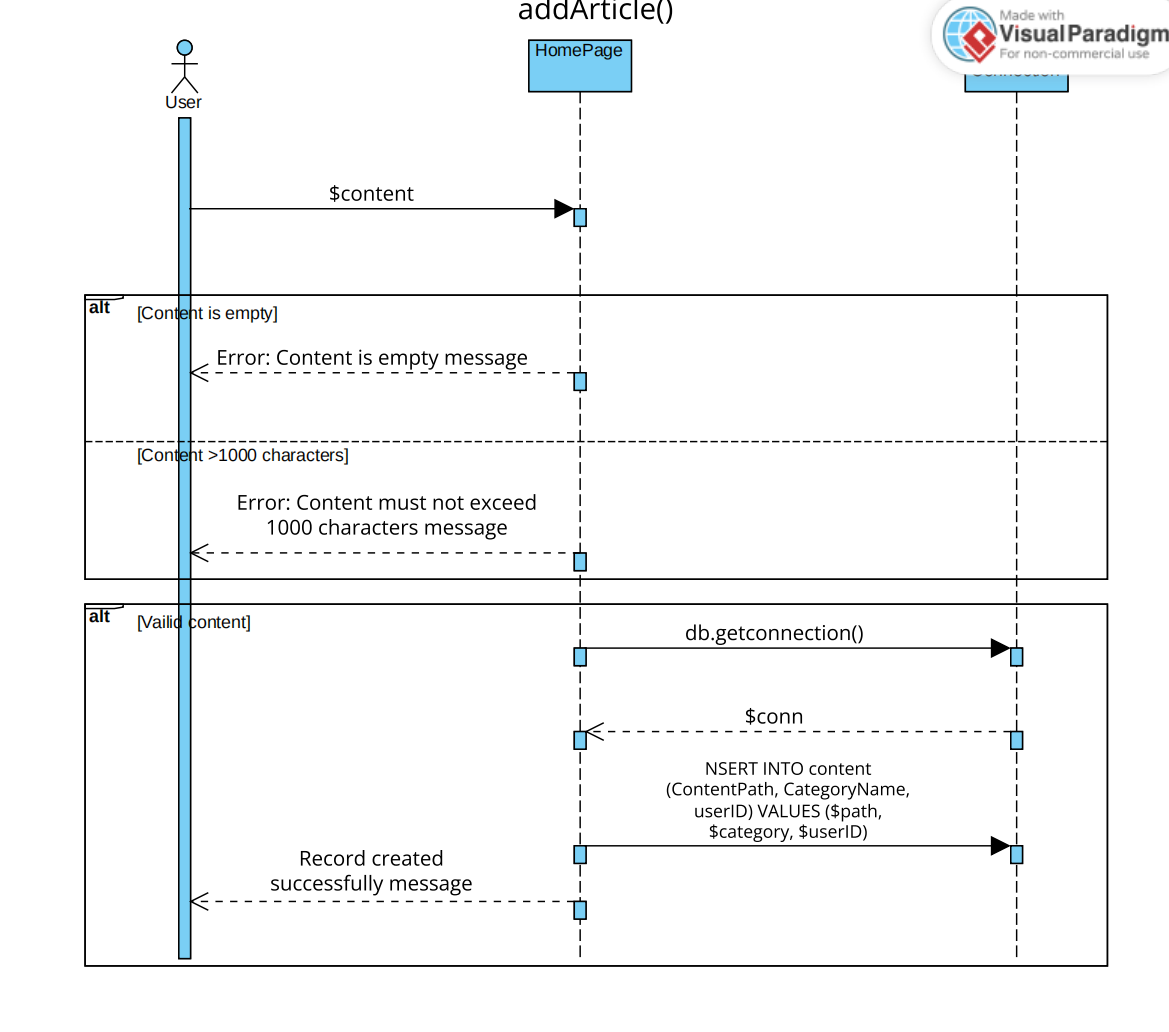
Low\_Design\_add content\_1



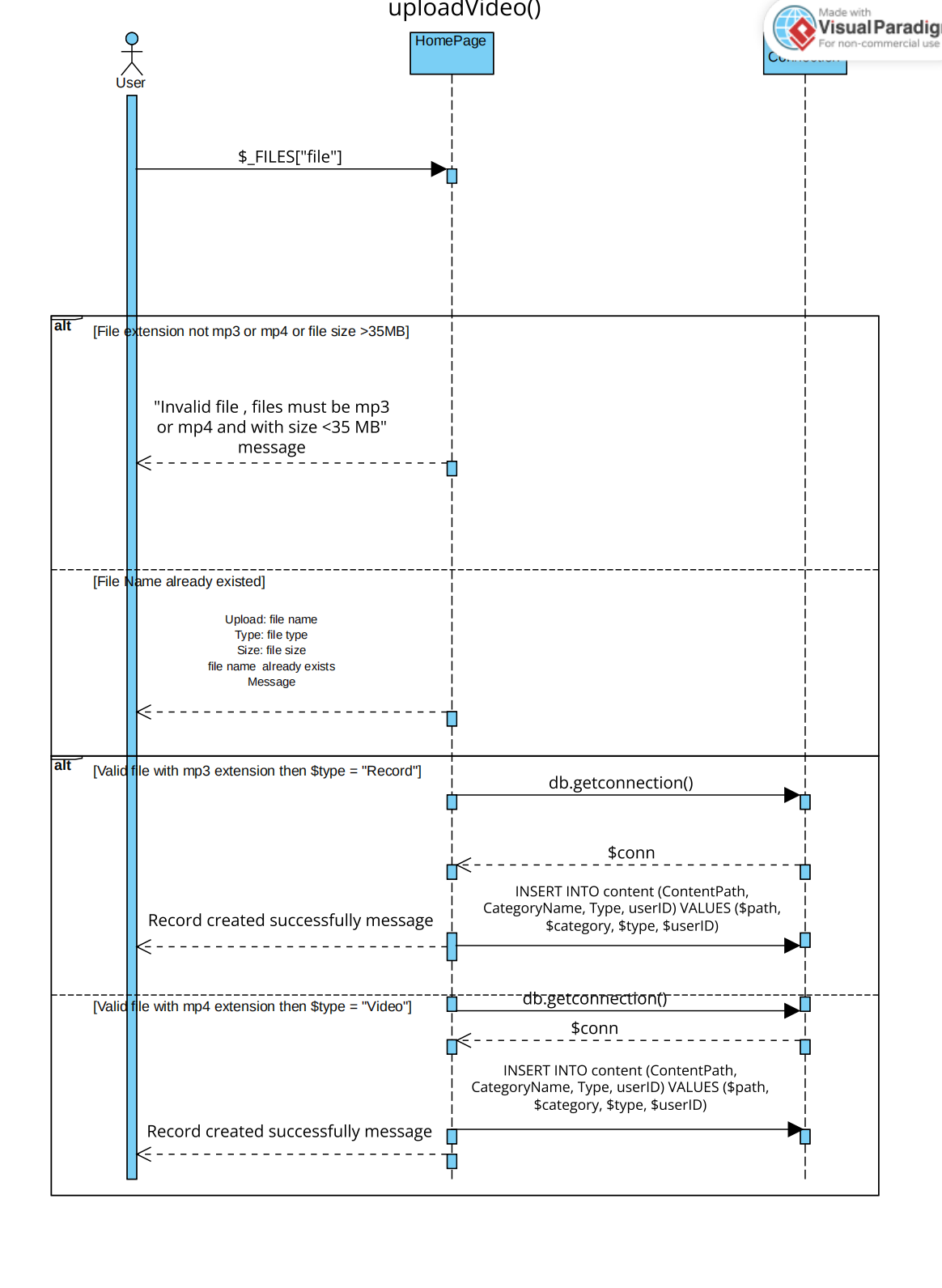
3.2.3 High Level

High\_Design\_add content

3.2.3.1 Add Article



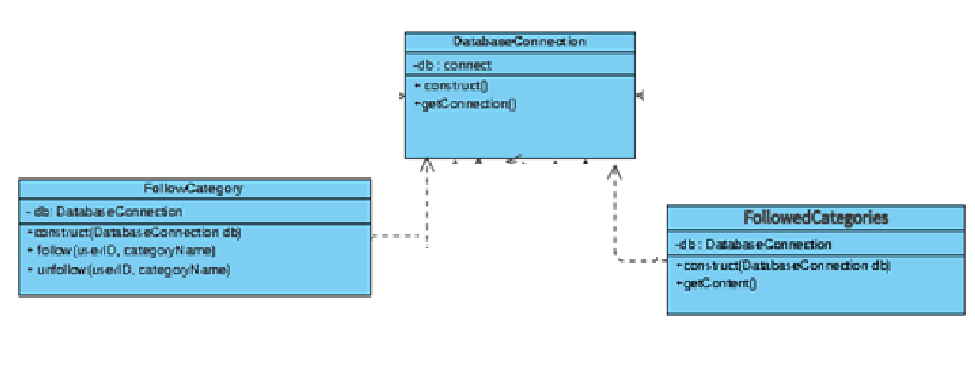
3.2.3.2 Upload Video



**3.3 Notification page**

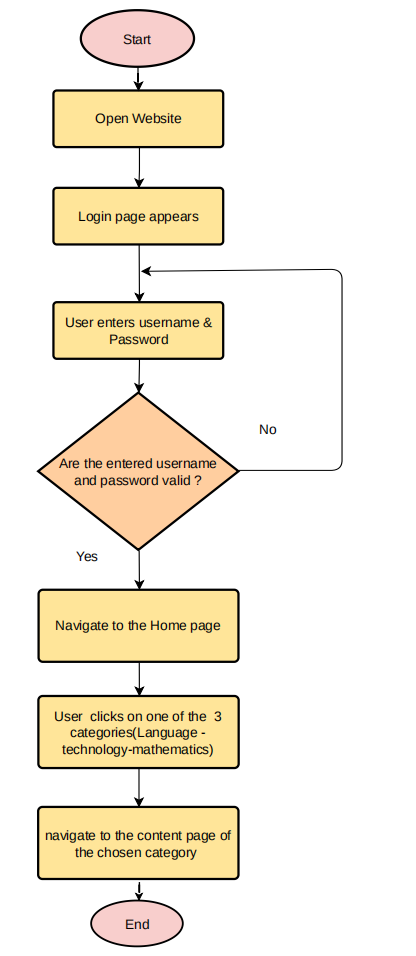
3.3.1 Class Diagram

classDiagram\_Notification page



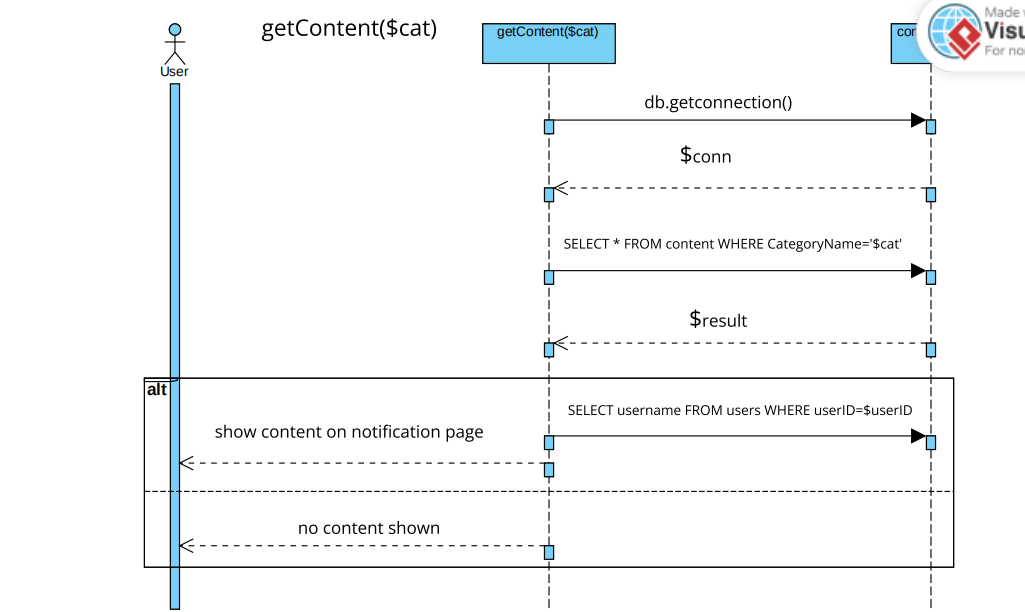
3.3.2 Low Level

Low\_Design\_Notification



3.3.3 High Level

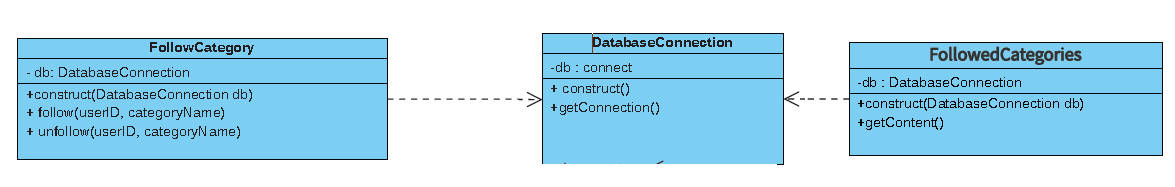
High\_Design\_Notification



3.4 Follow Category

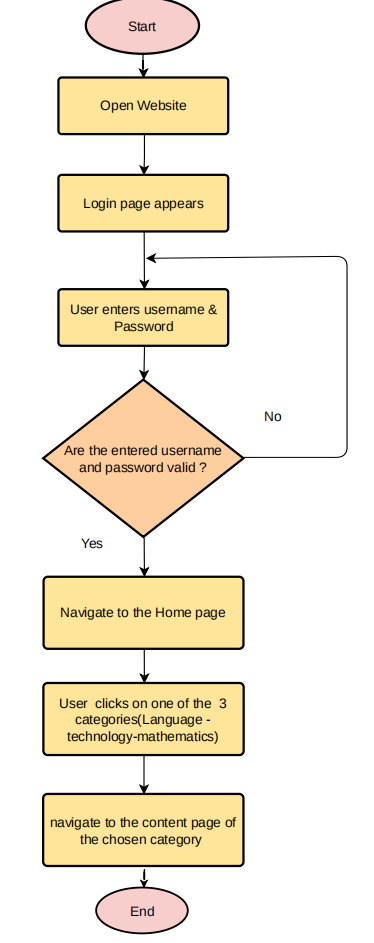
3.4.1 Class Diagram

classDiagram\_Follow Category



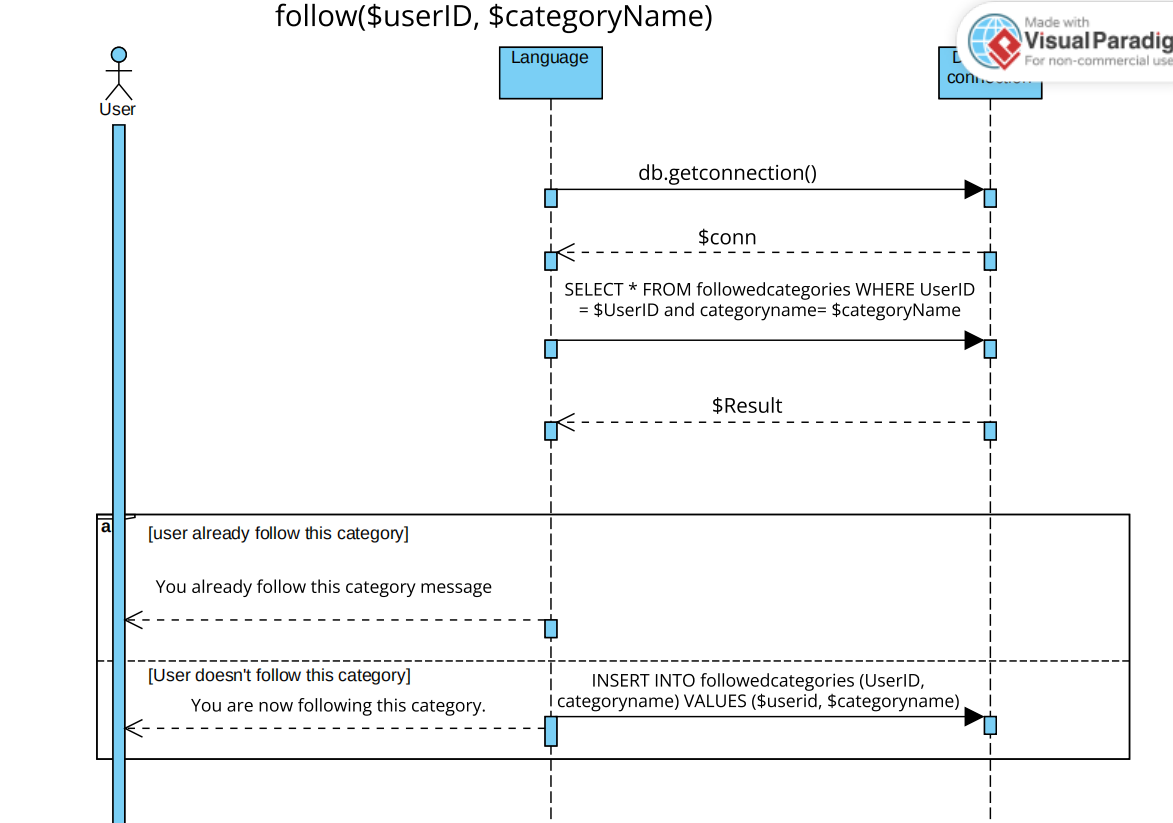
3.4.2 Low Level

Low\_Design\_ Follow Category

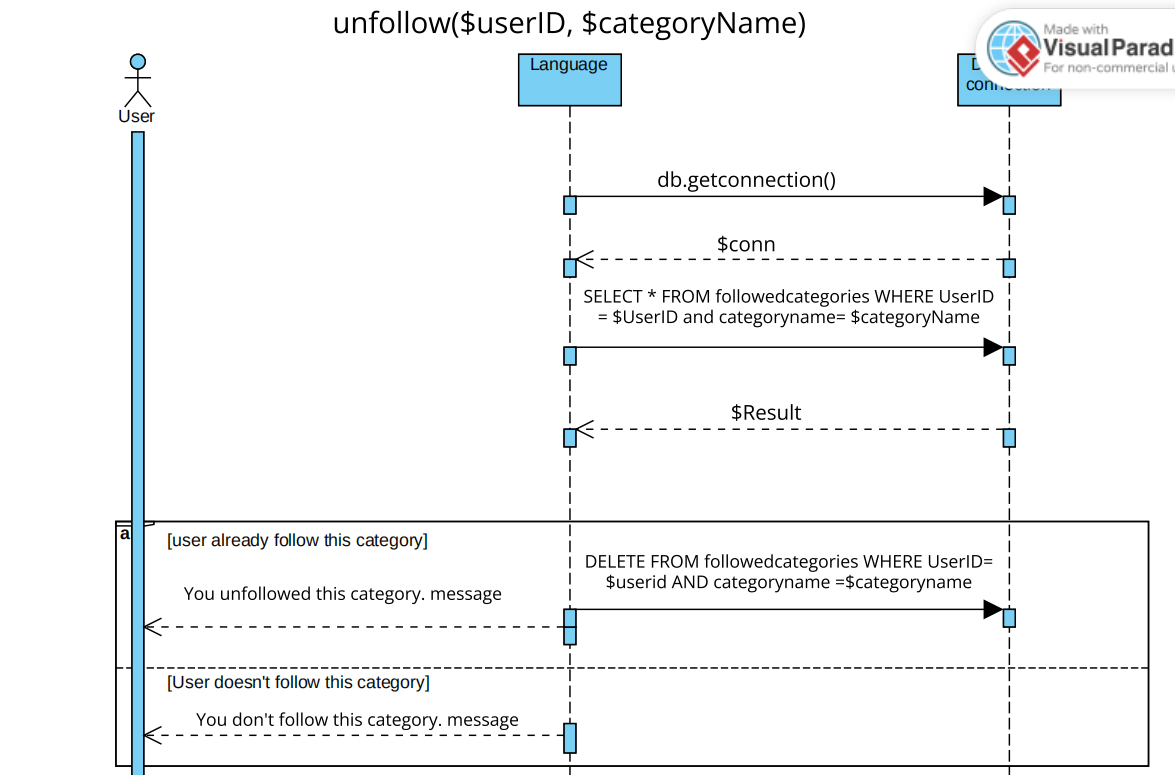


3.4.3 High Level

High\_Design\_ Follow Category

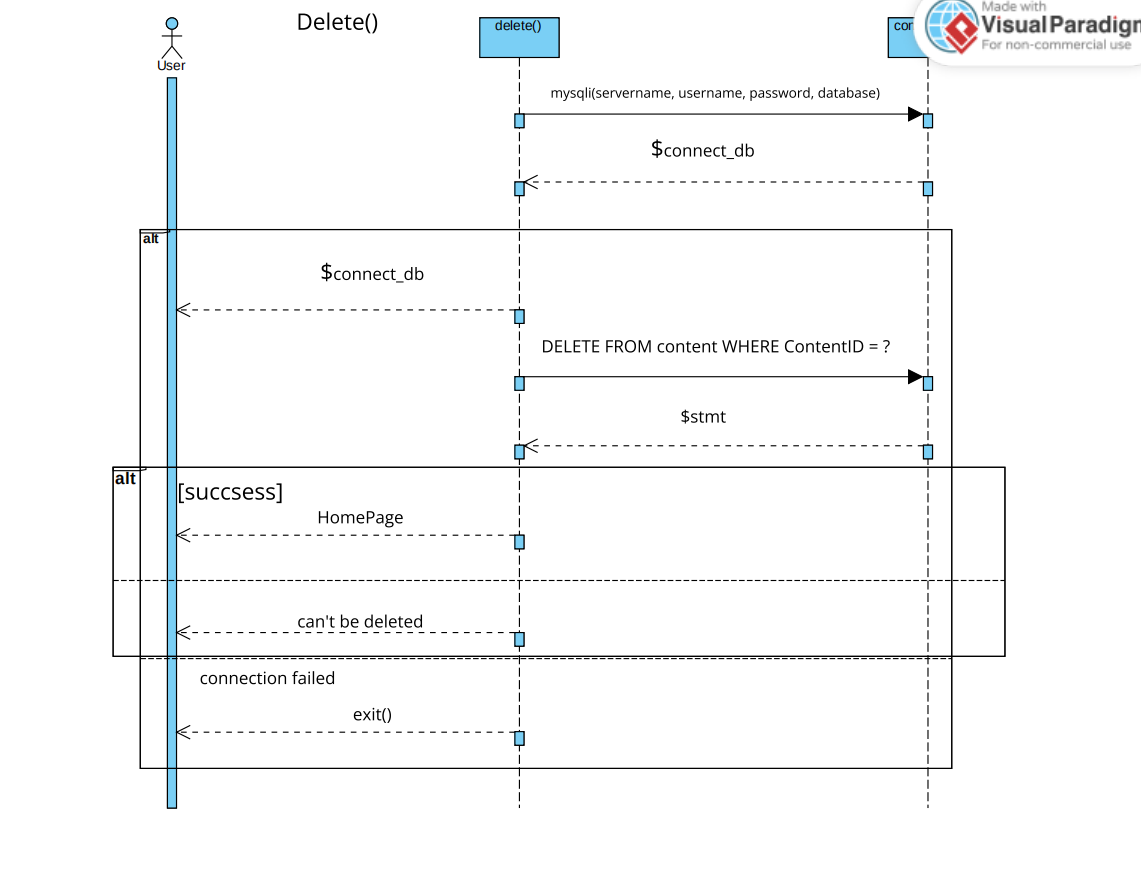


3.4.4



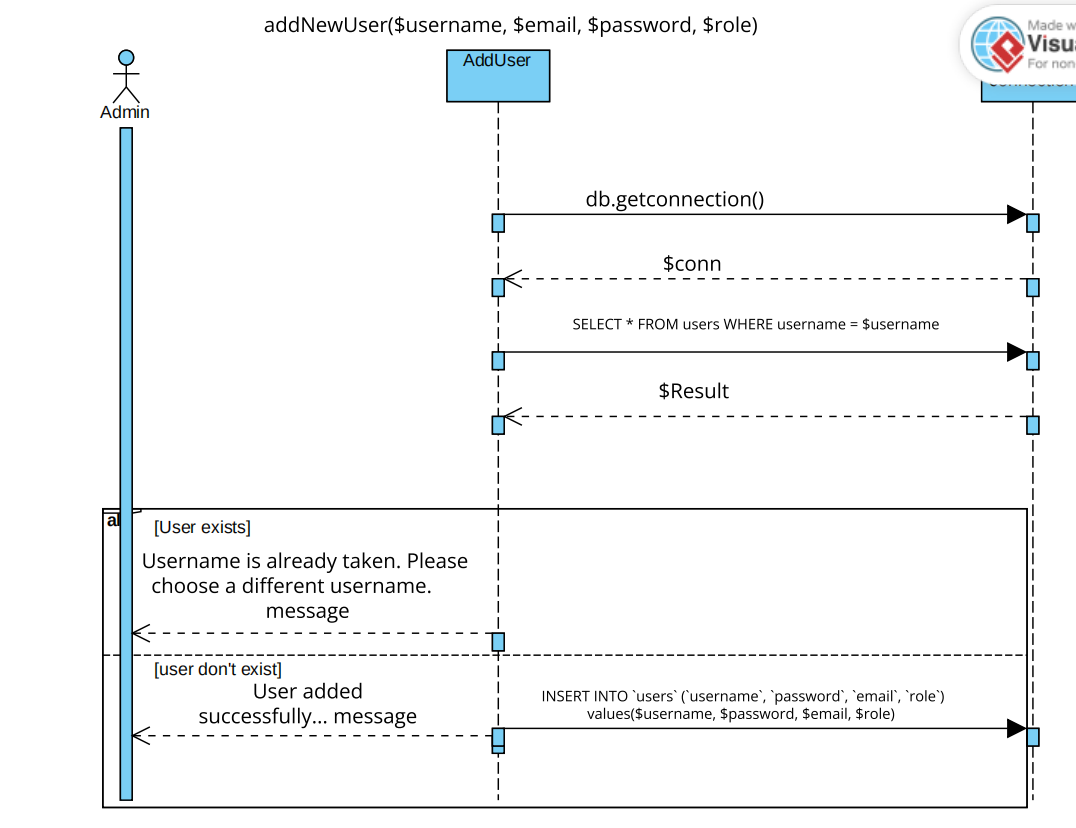
3.5 Delete Content

3.5.1 High Level Design



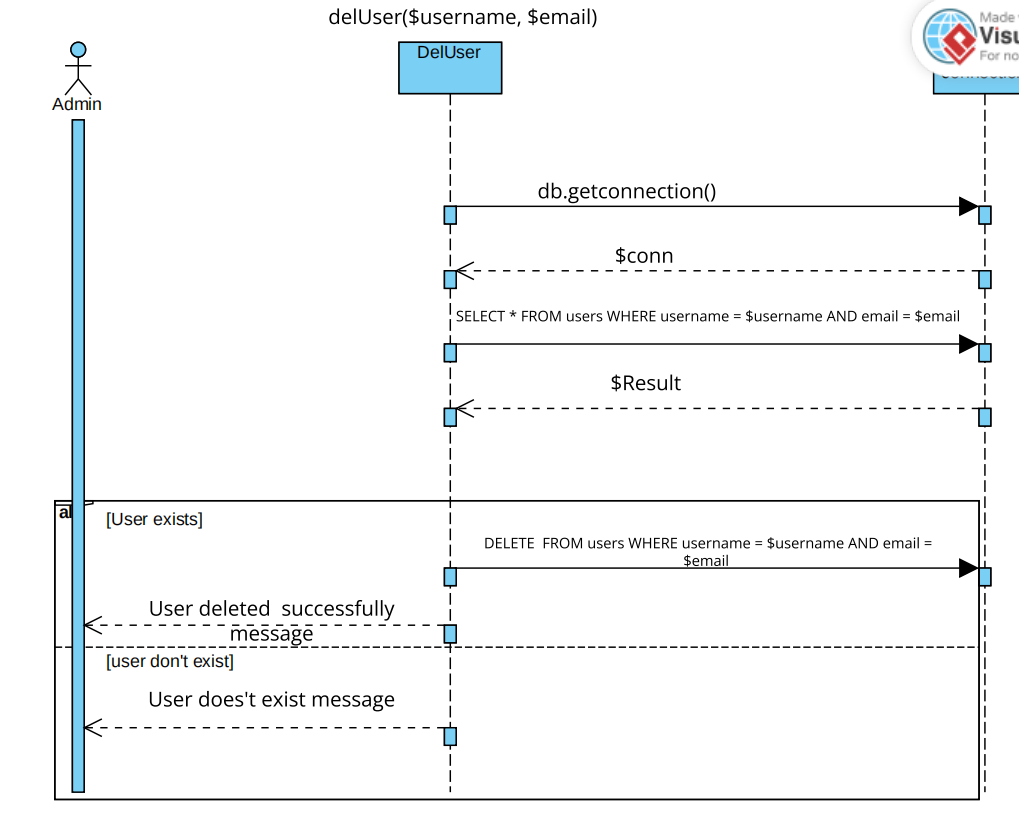
3.6 Add User

3.6.1 High Level Design



3.7 Delet User

3.7.1 High Level Design



3.8 Navigation

