



ONLINE LIBRARY REGISTRATION SYSTEM

Using Star UML

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ABSTRACT

This is the final project of OOAD course in which I am going to make an online library management system. I will draw use case diagram, domain model, class diagram, communication diagram, activity model, and sequence diagram.

Title

Final Project @OOAD

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PROBLEMS AND SOLUTION:

Problem:

It is a big problem for registration in any library to register the people visiting. Usually we use old and traditional way by writing their names, id numbers and contact numbers on small piece of paper and write their detail on register as well for our record. When the number of people increases then problem arises here, if any of them forget to bring that piece of paper (Registration card) they will not be allowed to go inside library, because it is difficult for the management to find their name on our record. Even those who have their registration card, finding their names on our record takes much time. Going through columns of names section seeing every name one by one despite of taking much time sometime we miss any name and if we say to anyone that you are not registered in this library (because we could not find their name on record) although he or she registered him or herself in the library, this arises a big problem for the management of Library.

Solution:

The online registration helps the management to get out of all this mess and store the details of people visiting any event in a digital way. It takes no any pen and paper work all you need is a laptop. Ask detail of a person who want to register like their name, contact number and their id number and the software automatically store the details in its database accordingly. It takes almost no time to register a person, search them and delete them from the database. It provides you zero error in searching someone's name that whether that person is registered for the ongoing event or not. Using our Registration software you will get benefit like it minimizes the effort of your staff, reduces the difficulties and also eliminating all the possible errors that human make unintentionally.

VISION STATEMENT:**Vision Statement:**

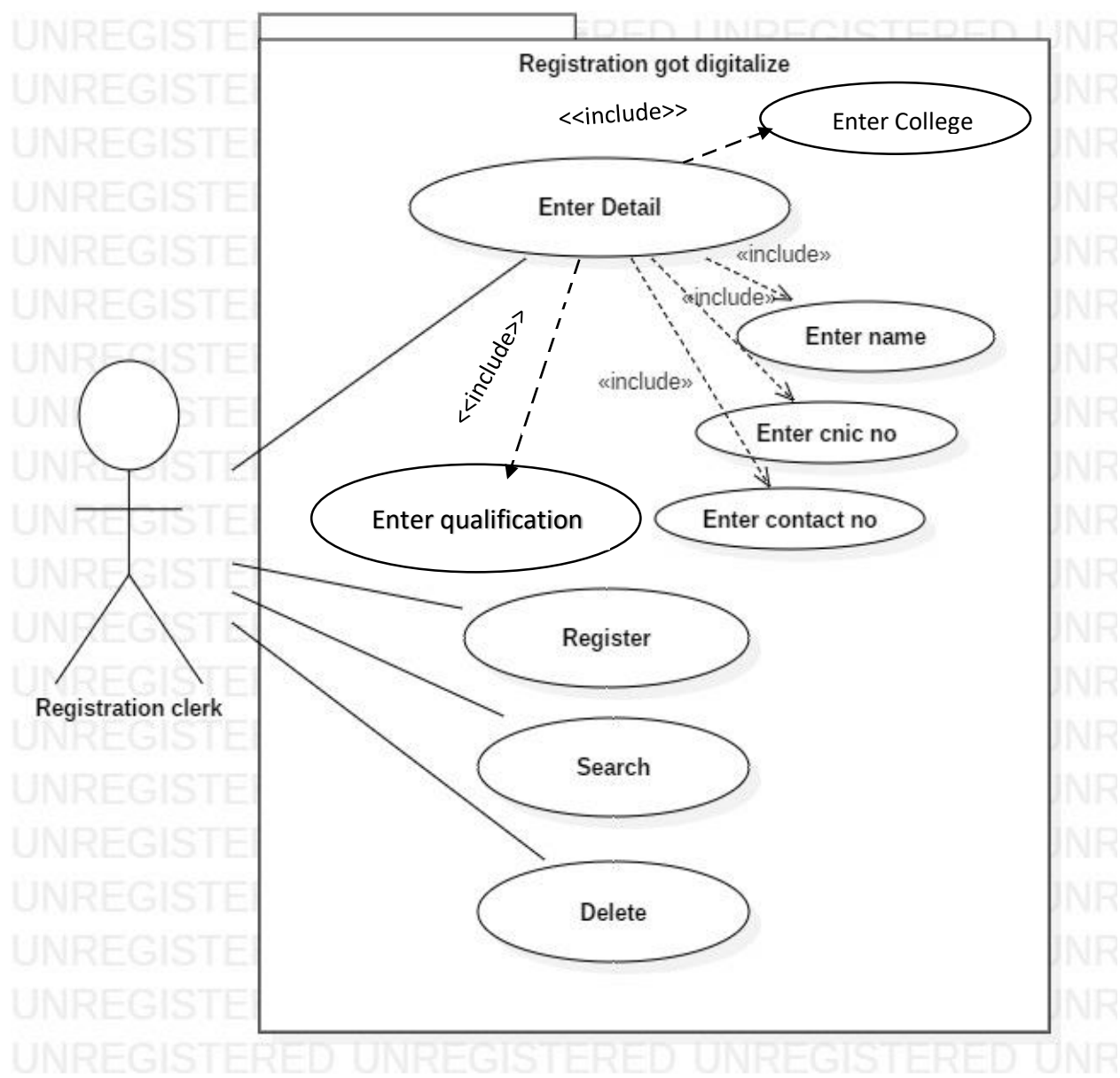
This product is for Management of library who want to get easiness and zero error (accuracy) in their management (especially in registration of people in library). The software allow registration clerk to ask names, id numbers and mobile numbers of any person and software registers the person in its database for as long time as you want. Our product allows to register, search and delete a person from the database.

What we accomplish:

By implementing this software we accomplish accuracy, we get zero error in searching whether someone did registration or not. In short we reduce the effort of registration clerk, as if he manually checks names one by one it takes much of his/ her time as well as effort. Our main purpose is to support management by reducing their effort and provide them accuracy also we want digitalization.

Project Goal:

Our goal is to give facility to management of library so that by using our product they feel easiness in registration of people in library and the most important thing to get full accuracy with zero error.

Use case Diagram:

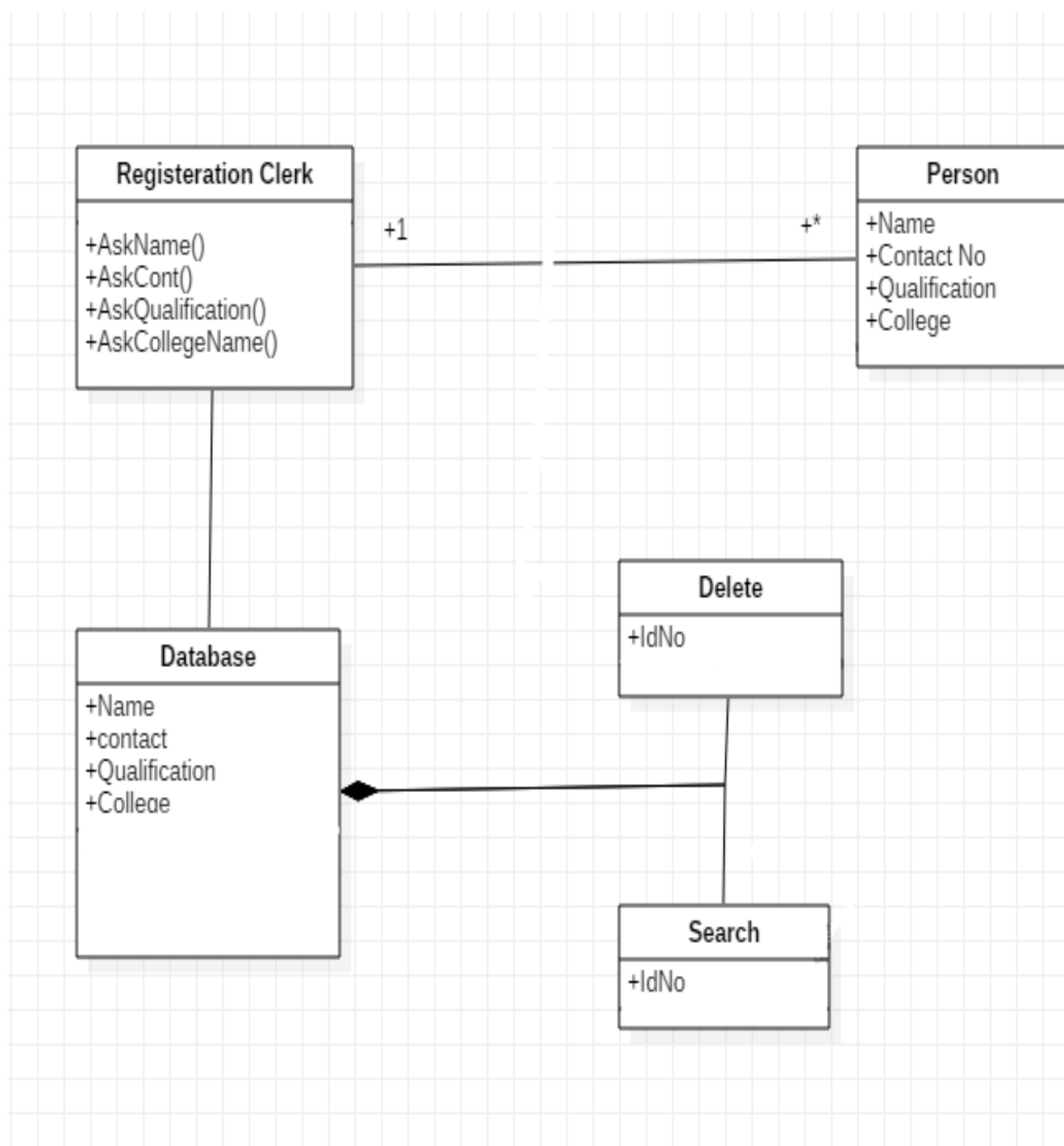
Fully Dressed Use case:

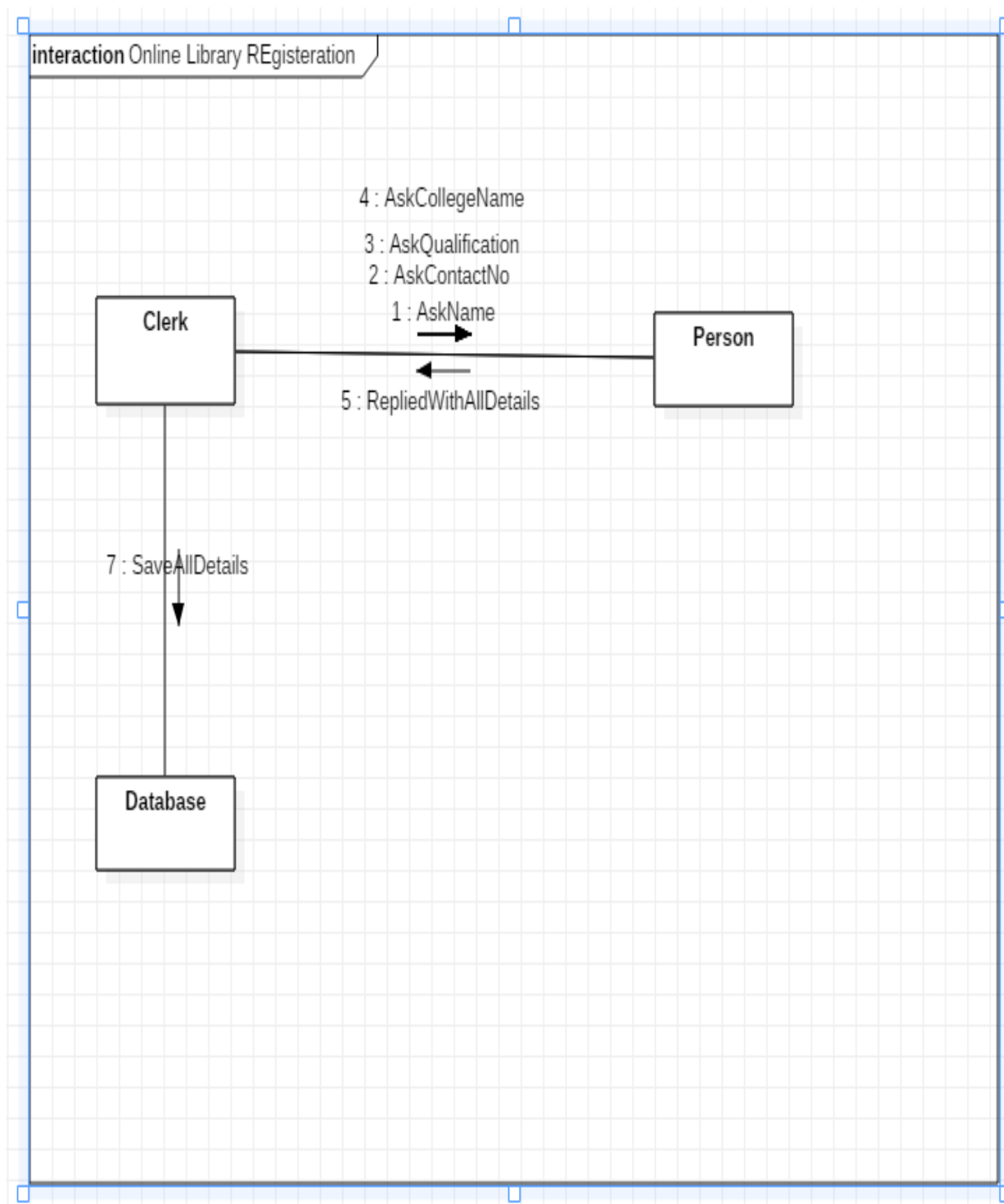
1.

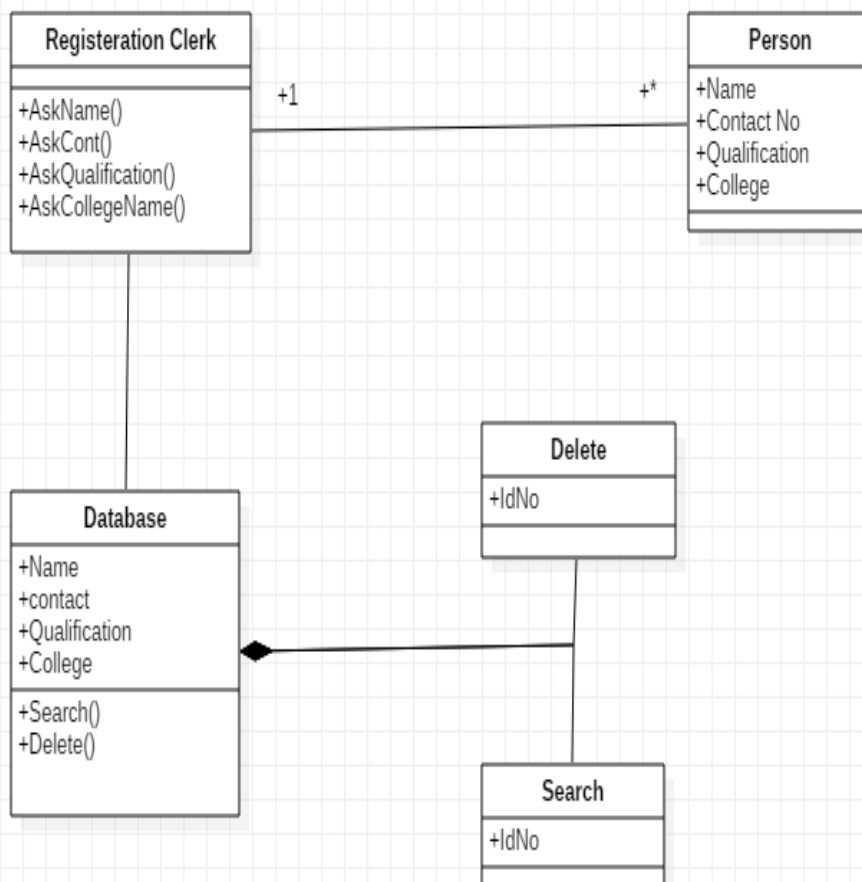
Use Case name	Register
Scope	Enterprise level
Level	User level
Primary Actor	Registration clerk
Stack Holder	Management company
Pre-Condition	Person who want to register must have his/her complete details.
Post-Condition	Id number will be given to registered member.
Main Success Scenario	On providing details a person will be registered in the library and receives his/her id number assigned by Registration clerk.
Frequency of occurrence	It takes less than a minute to register a person.

2.

Use Case name	Search
Scope	User level
Level	User level
Primary Actor	Registration clerk
Stack Holder	All Management company.
Pre-Condition	A person is registered.
Post-Condition	The person will get verification.
Main Success Scenario	On providing his/her id number will be verified and guide where to go and where to sit inside hall.
Frequency of occurrence	It takes almost 5 seconds to search an id.

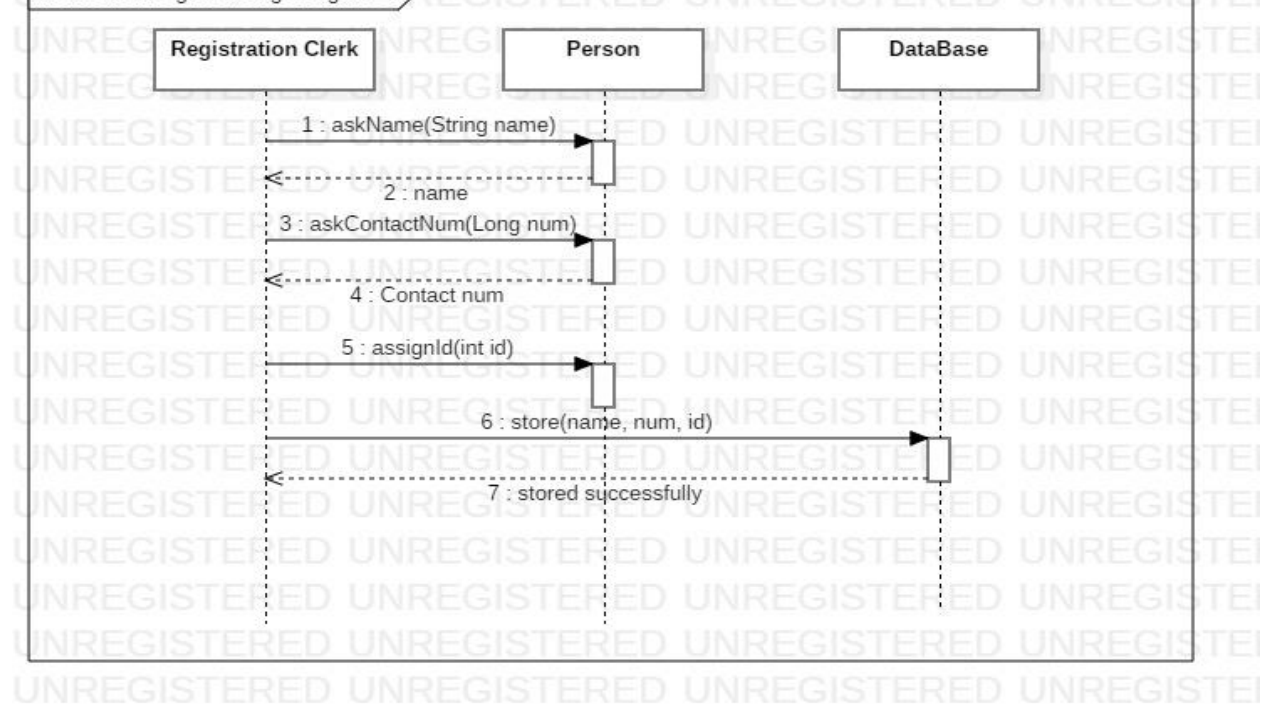
DOMAIN MODEL:

Communication Diagram:

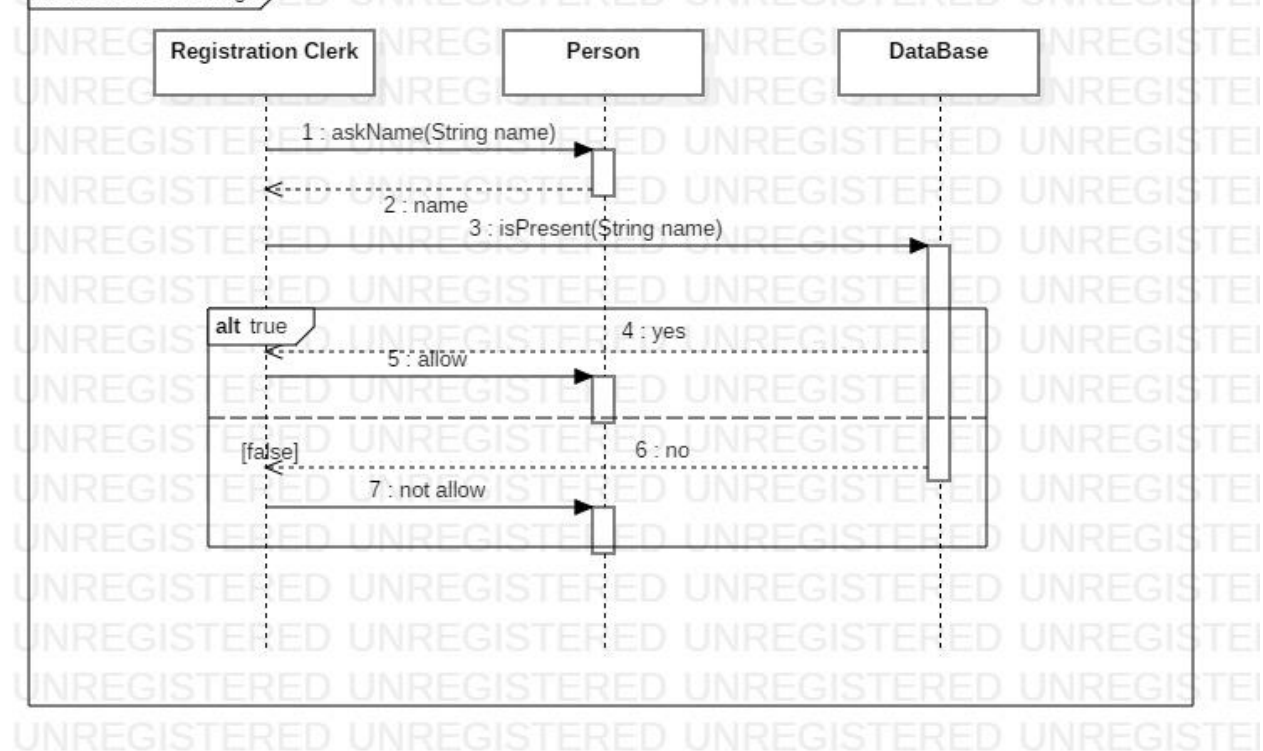
Class Diagram:

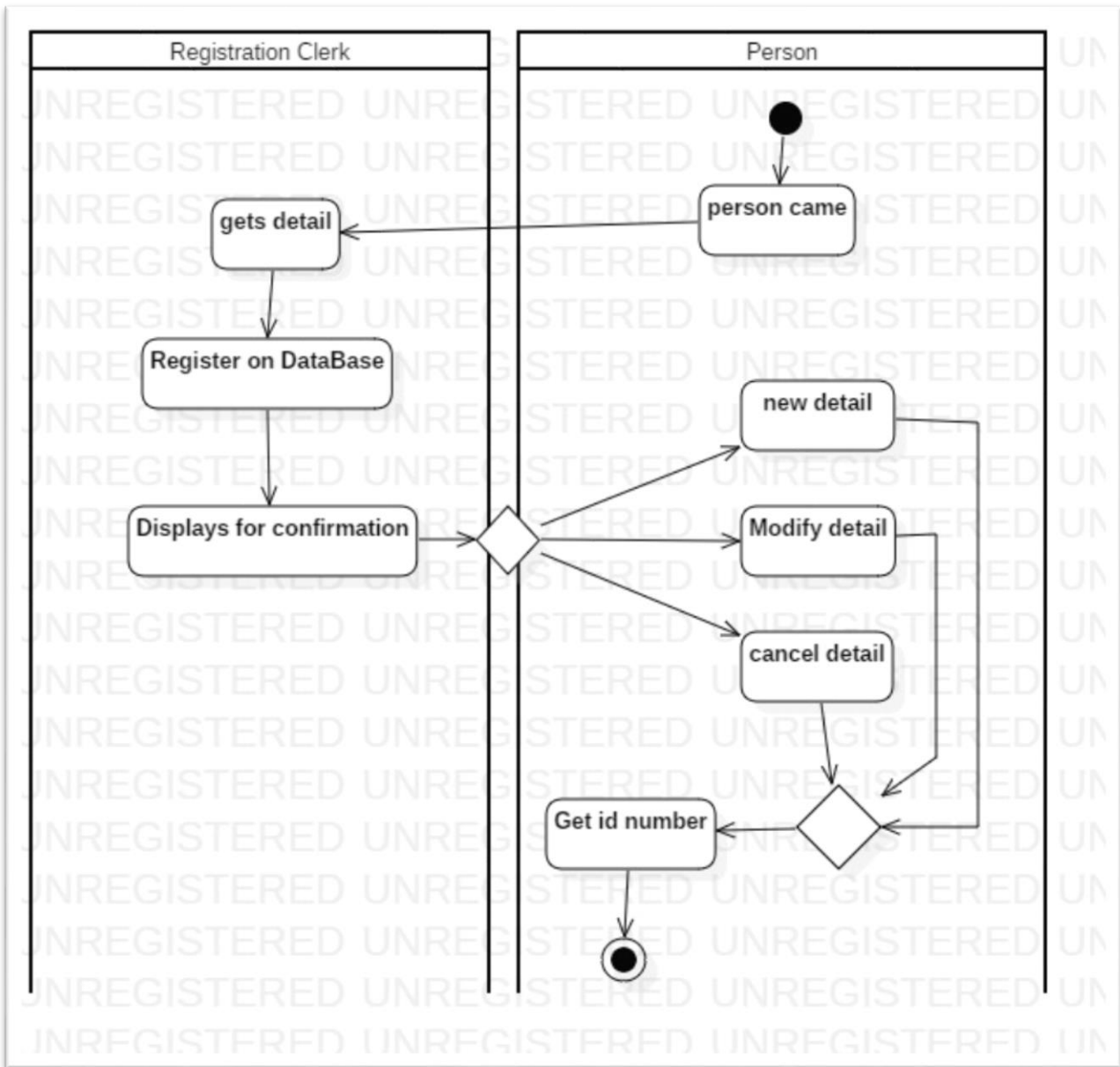
Sequence Diagrams:

interaction Registration got Digitized



interaction Searching



ACTIVITY DIAGRAMS:**Activity Diagram 1 (Registration)**

Activity Diagram 2: (Searching)