Introduction

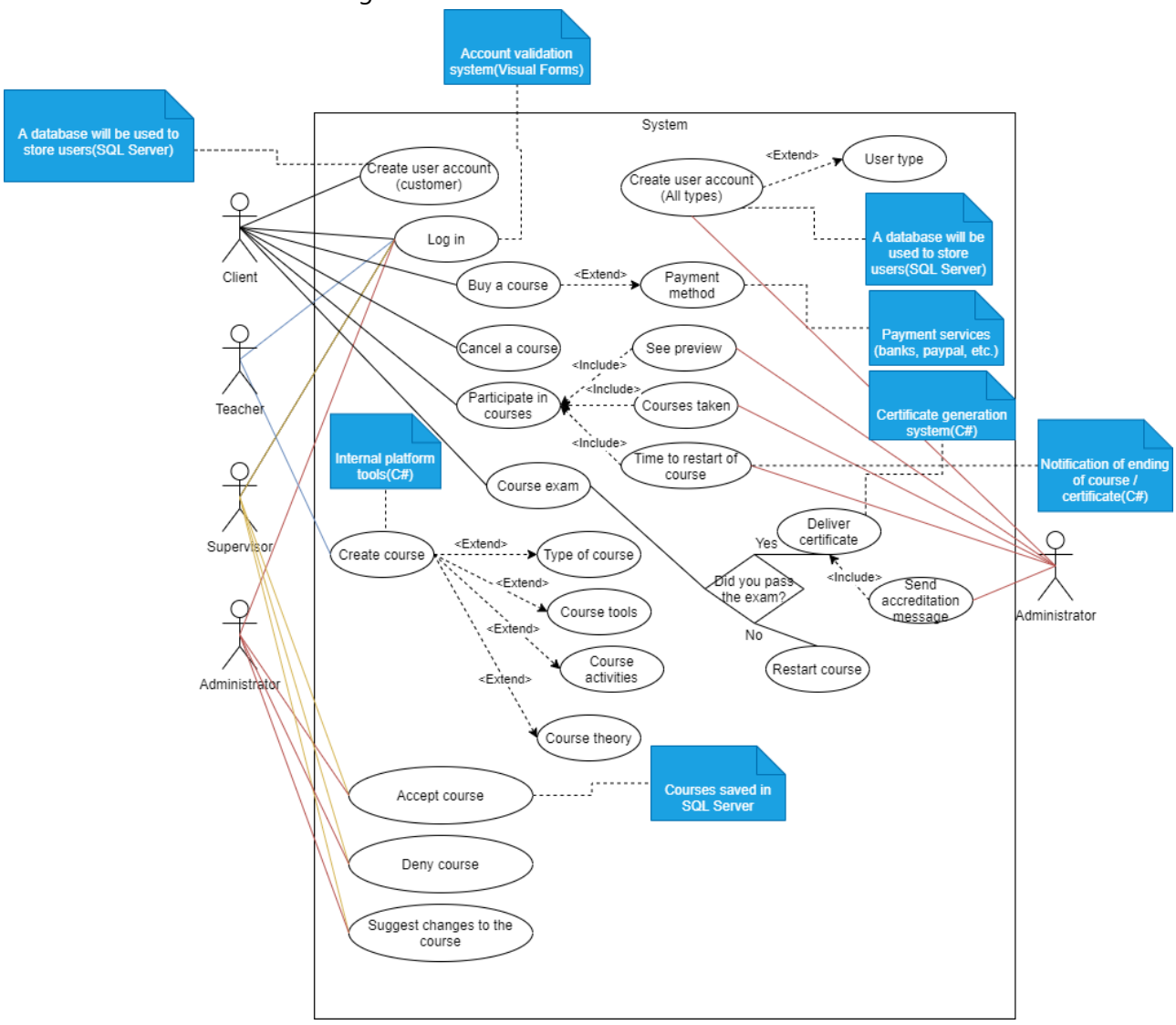
A2.2 Learning activity

System architecture documentation based on the 4 + 1 model.

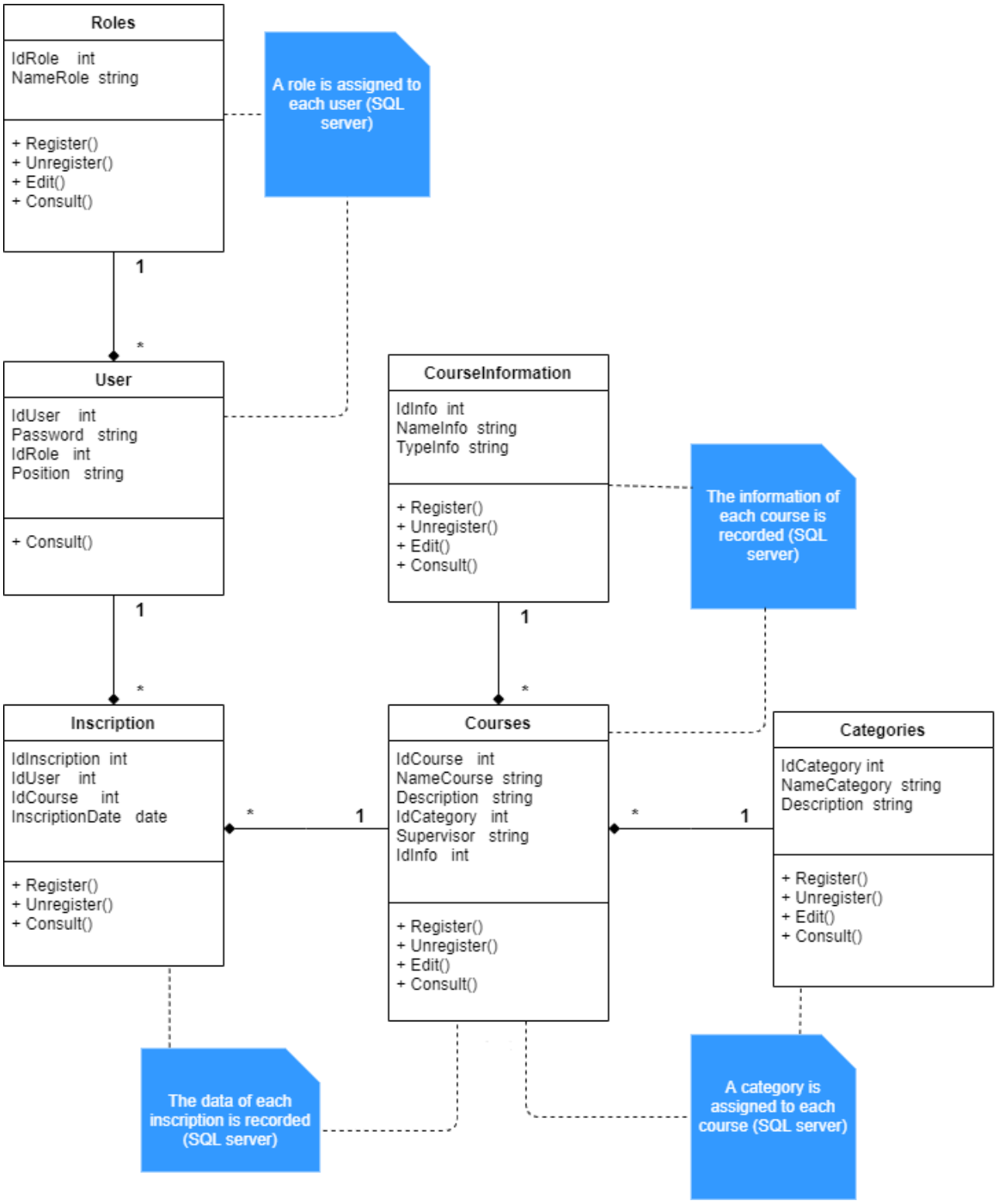
Development

1. Draw the diagrams for each of the views established in the 4 + 1 architecture model.

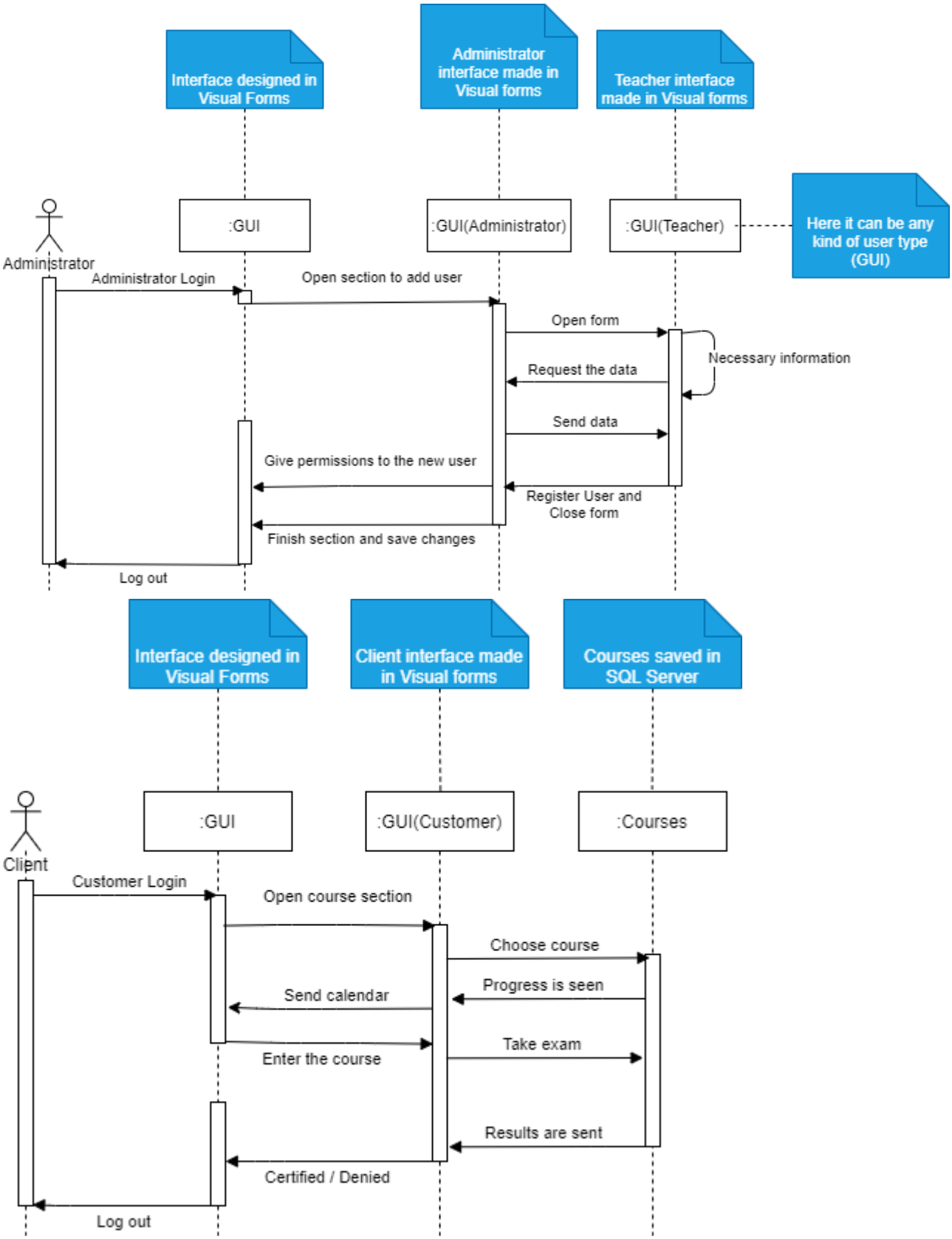
- Scenario view: Use Case Diagram

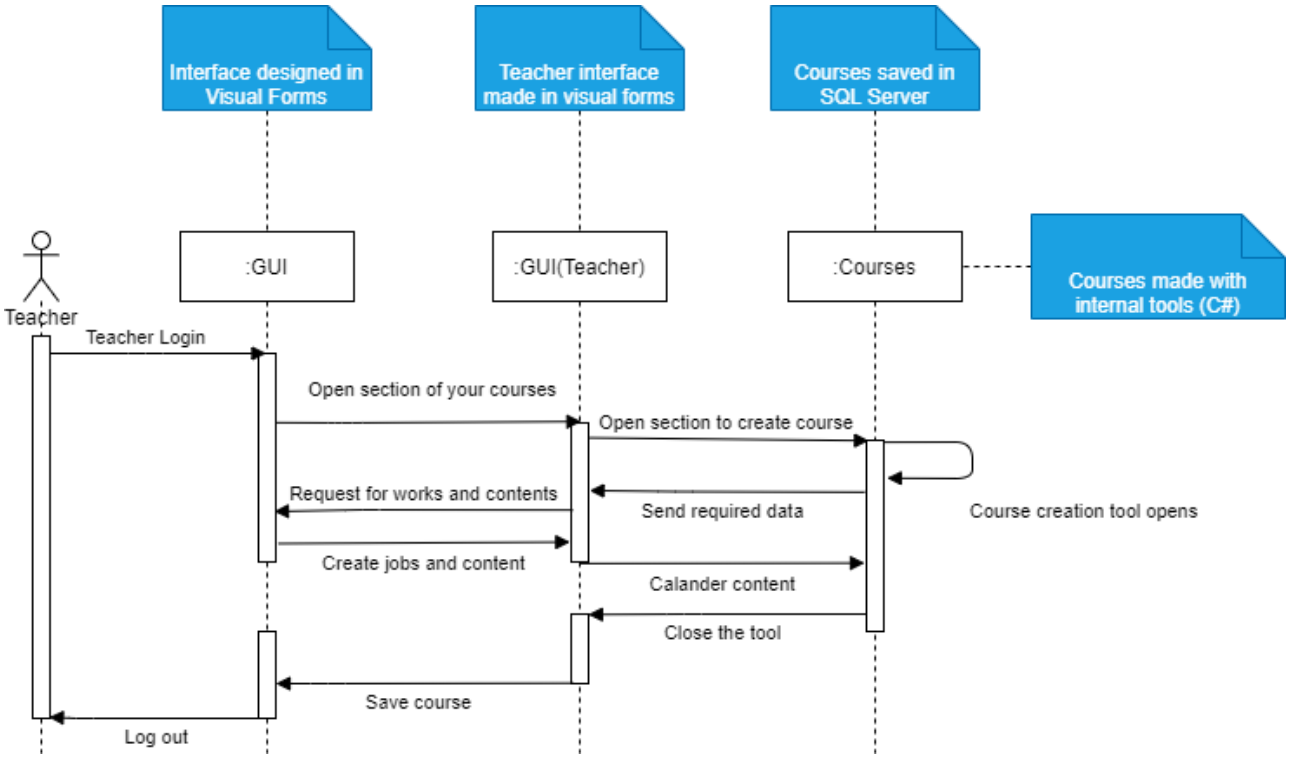


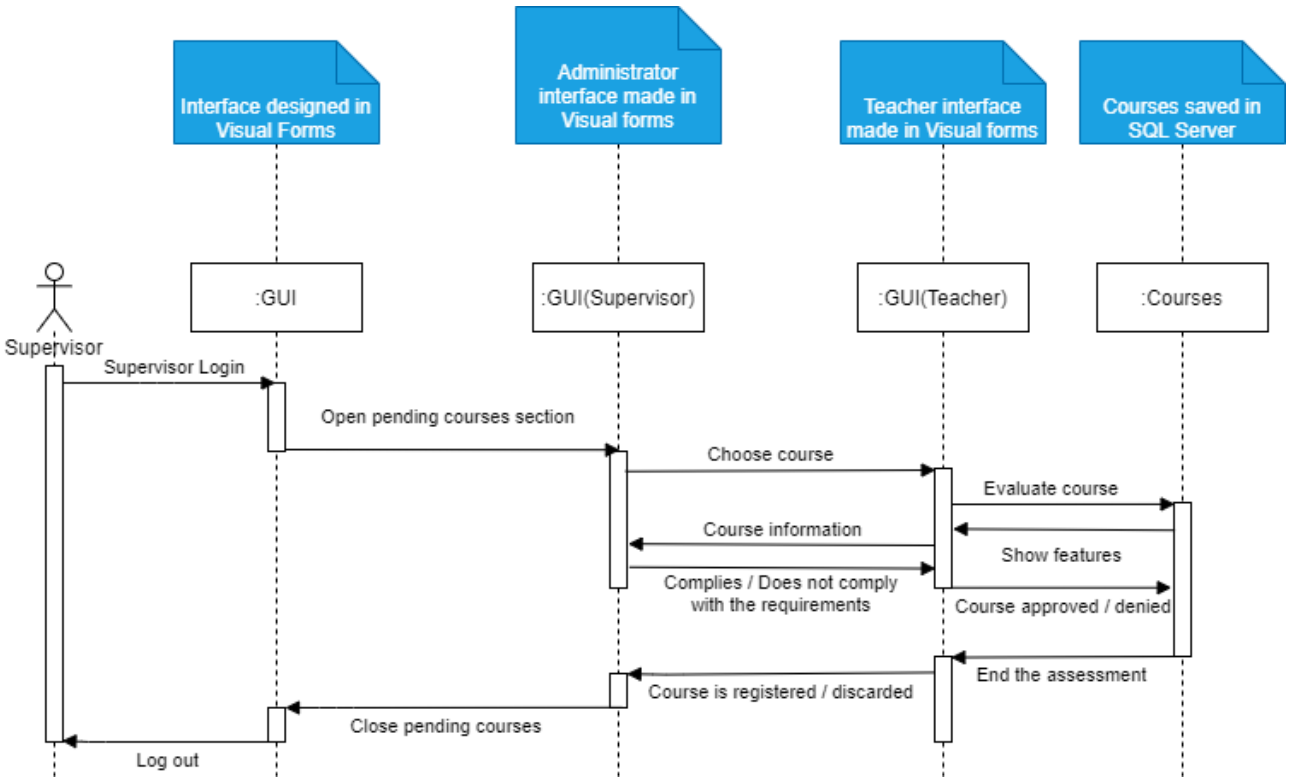
- Logical view: Class diagram



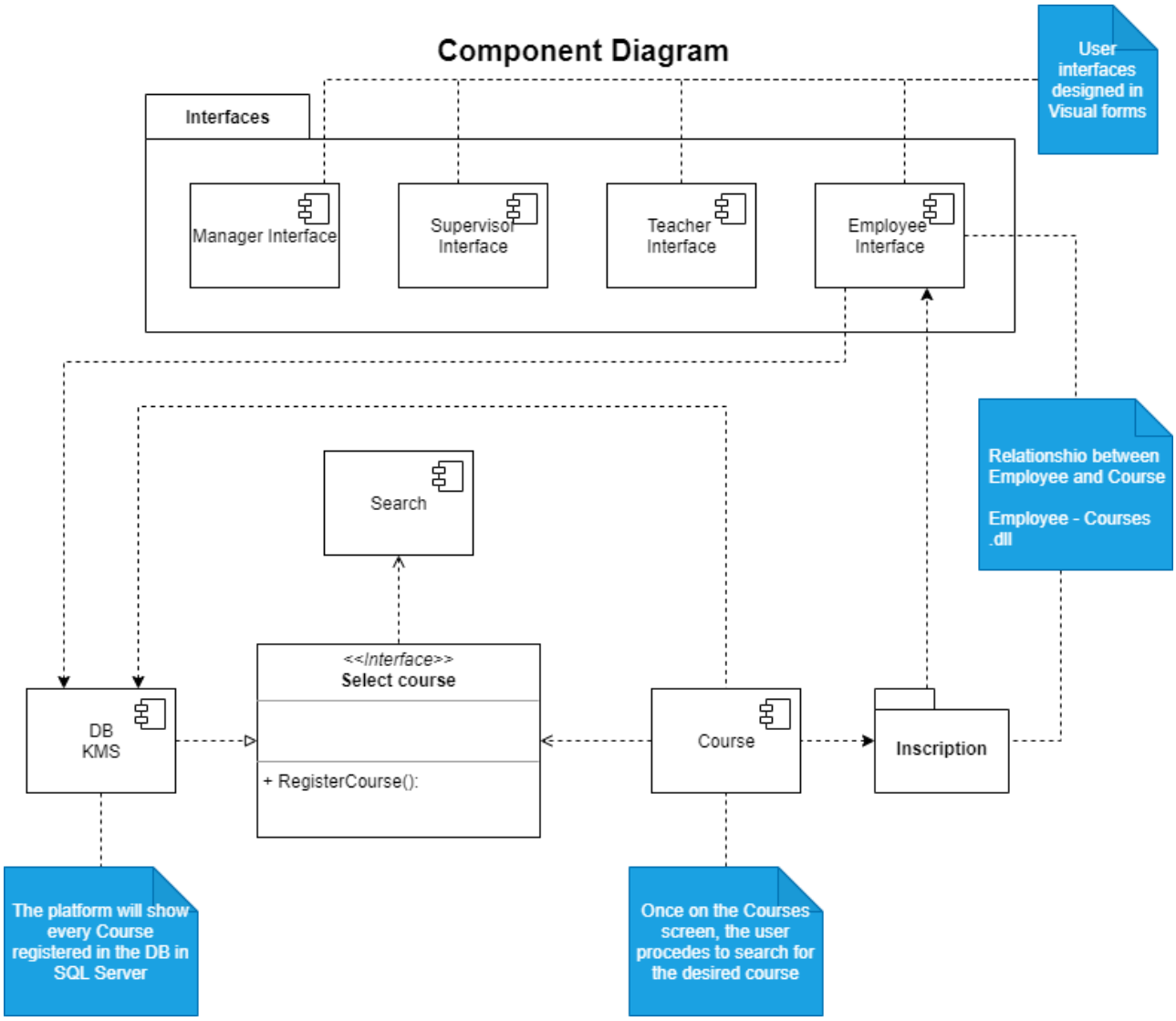
- ☑ Process view: Sequence diagram



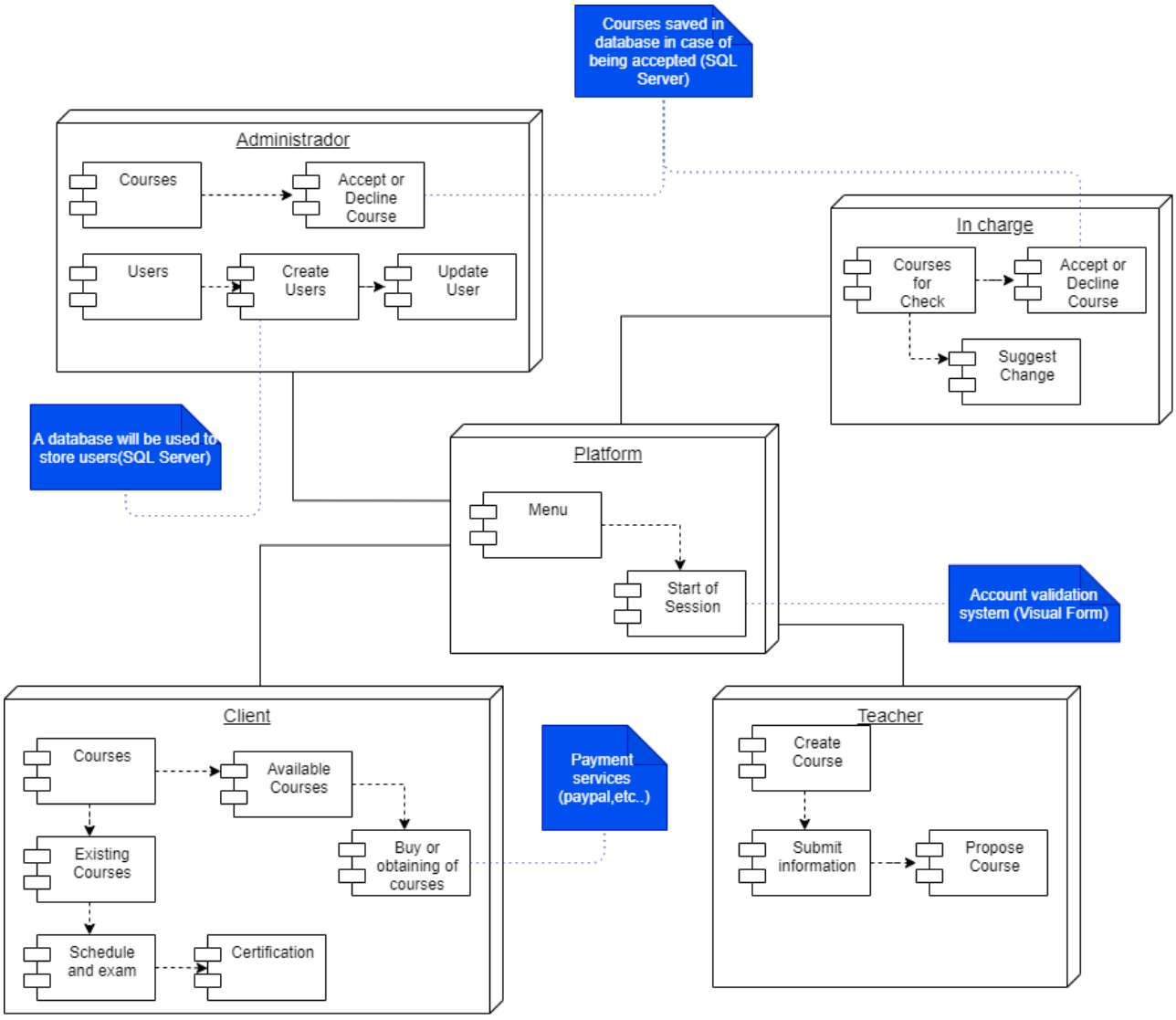

Interface designed in Visual Forms
Teacher interface made in visual forms
Courses saved in SQL Server
Courses made with internal tools (C#)
Teacher
:GUI
:GUI(Teacher)
:Courses
Teacher Login
Open section of your courses
Open section to create course
Request for works and contents
Send required data
Course creation tool opens
Create jobs and content
Calander content
Close the tool
Save course
Log out


Interface designed in Visual Forms
Administrator interface made in Visual forms
Teacher interface made in Visual forms
Courses saved in SQL Server
Supervisor
:GUI
:GUI(Supervisor)
:GUI(Teacher)
:Courses
Supervisor Login
Open pending courses section
Choose course
Evaluate course
Course information
Show features
Complies / Does not comply with the requirements
Course approved / denied
End the assessment
Course is registered / discarded
Close pending courses
Log out

- ☑ Developer view: Component Diagram



- ☑ Physical view: Distribution diagram



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2. Each diagram must contain at least 3 elements within its representation.

- ☑ Use cases (Include at least 5 elements of the diagram)
- ☑ Sequence diagram (Include at least 5 elements of the diagram)
- ☑ Class diagrams (Include at least 5 elements of the diagram)
- ☑ Package diagram containing component diagrams (Include at least 3 - diagram elements)
- ☑ Distribution diagrams (Include at least 3 elements of the diagram)

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3. Indicate by means of annotations the own technologies that will be used, relying on images or illustrations to represent them.

Conclusions

Name	Conclusion

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Chavez Lopez Eduardo Guillermo	Although it seemed easy, one of the most difficult parts of this document was precisely to figure out and correctly plan the technologies that we will use in our project, or at least have a vision of what we will use in the development of our project, in the end. I consider that the document proposed here is well detailed and structured, and the best diagrams were taken to fulfill each point requested.
Dominguez Cervantes Daniel Ivan	Although they are simple annotations. It was necessary to choose the diagrams that were best qualified and from these, we agreed on the different technologies that will be used for the development of the project and with this information it was possible to make the corresponding annotations for each diagram assigned to each member of the team.
Flores Aguila David Antonio	I honestly don't like making diagrams, but recently I've had to grow fond of it again. By drawing all the diagrams we made in this activity, I was able to provide feedback on my diagramming skills thanks to the feedback from my colleagues. I believe that with each teamwork we do, our schematics and diagrams become even clearer.
Valadez Camacho Gustavo	Through the use cases, sequence, classes, components and distribution diagrams, each of the views established in the 4+1 architecture model can be perfectly represented, it would only be necessary to add some annotations in which it is reported the kind of technologies to be used. All this means that the functions that are to be represented on the platform are shown in a more detailed and clear way.
Vazquez Osuna Laura Michelle	During the activity, in addition to collecting the works and comparing them with each other, we had to choose which of them would suit us for the architecture of our program, which diagrams developed we considered best developed, we also had to make sure that those architectures we will implement and develop so that when creating it we have something similar to a guide.

Rubric

Criteria	Description	Score
Instructions	Are each one of the points indicated in the Instructions section fulfilled?	10
Development	Were each of the requested points answered inside the activity's development?	60
Demonstration	Is the student present during the explanation of the functionality of the activity?	20
Conclusions	A personal opinion of the activity is included for each of the members of the team?	10

Github

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