

Introduction



A2.2 Learning Activity

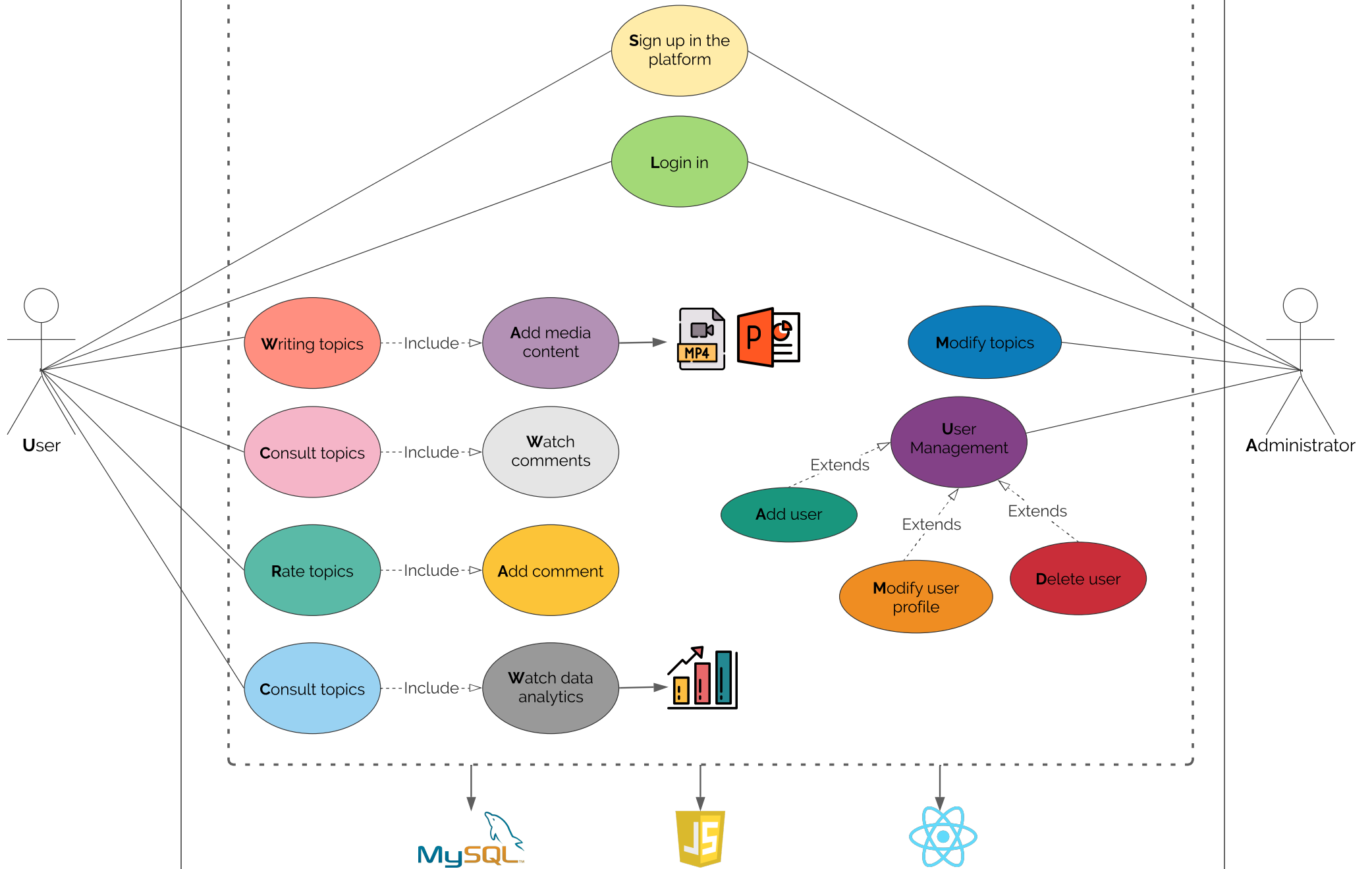
- Documentation of the system architecture based on the 4+1 model.

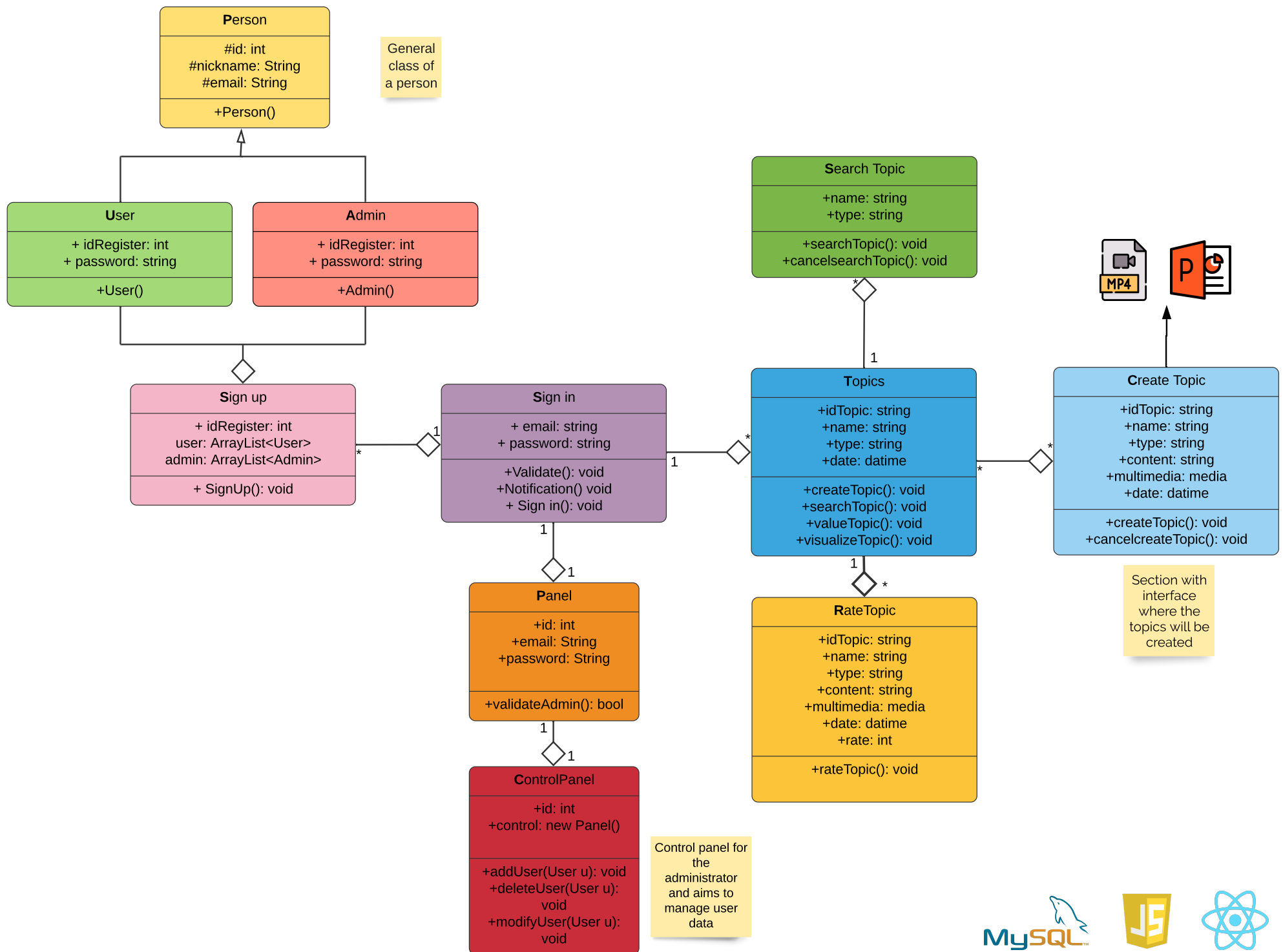


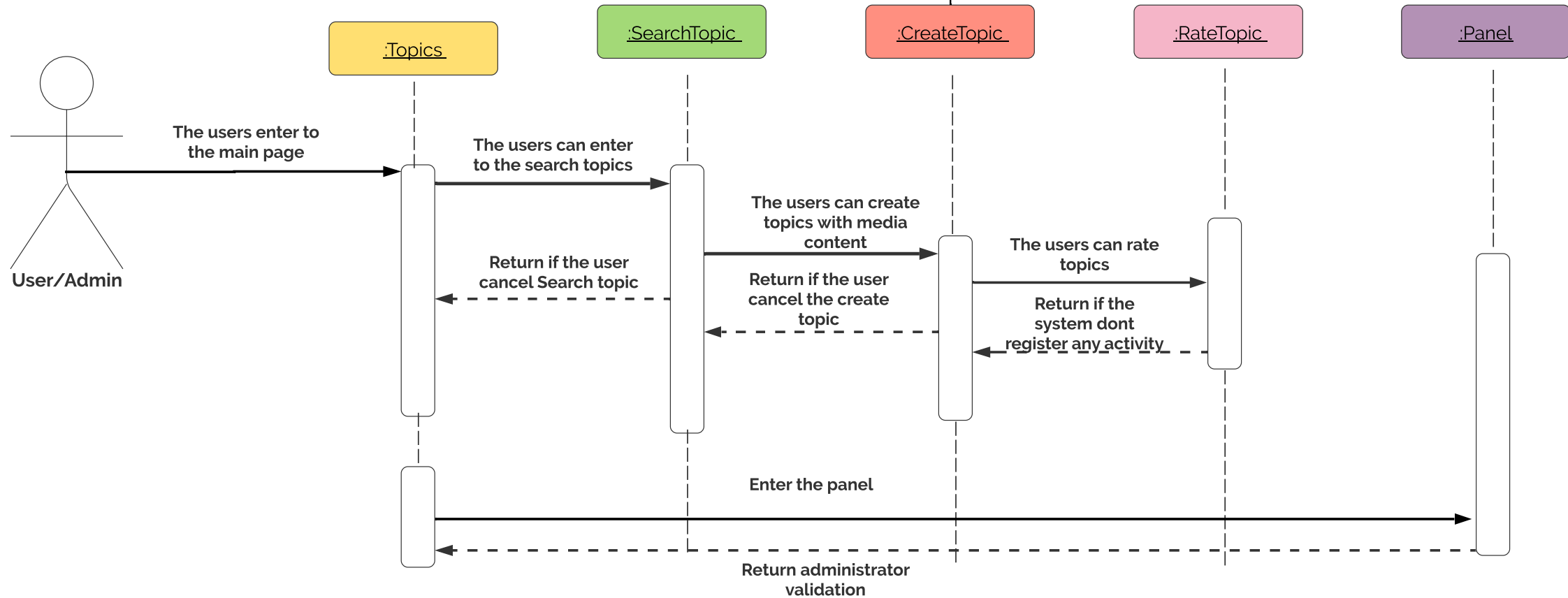
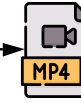
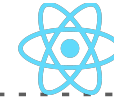
Development

1. Create diagrams for each of the views set in the 4+1 architecture model.
 - ☒ Scenario view: User case diagram.
 - ☒ Logical view: Class diagram.
 - ☒ Process view: Sequence diagram.
 - ☒ Developer view: Component diagram.
 - ☒ Physical view: Distribution diagram.
2. Each diagram should contain at least 3 elements within its representation.
 - ☒ Use cases (Include at least 5 diagram elements).
 - ☒ Sequence diagram (Include at least 5 diagram elements).
 - ☒ Class diagram (Include at least 5 diagram elements.)
 - ☒ Package diagram containing component diagrams (Include at least 3 diagram elements).
 - ☒ Distribution diagram (Include at least 3 diagram elements).
3. Indicate by annotations the own technologies that will have to be used, supported by images or illustrations that represent them.

Conservance

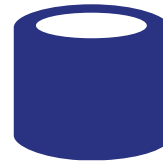




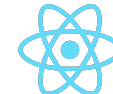
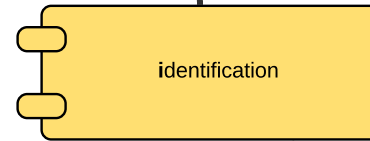


Conservance

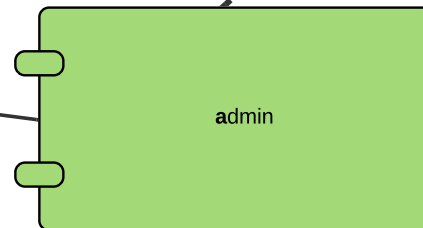
Abstract methods in an interface or class and the data of the classes is stored in a database that validates access data



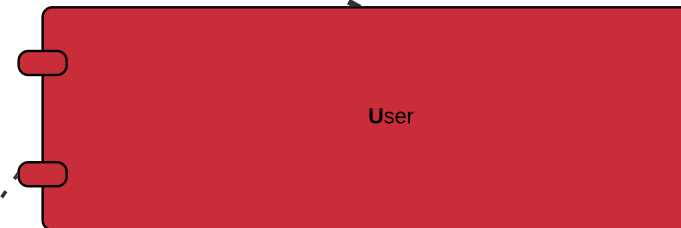
Database



Panel



Atributos



Topics

ValueTopic

VisualizeTopic

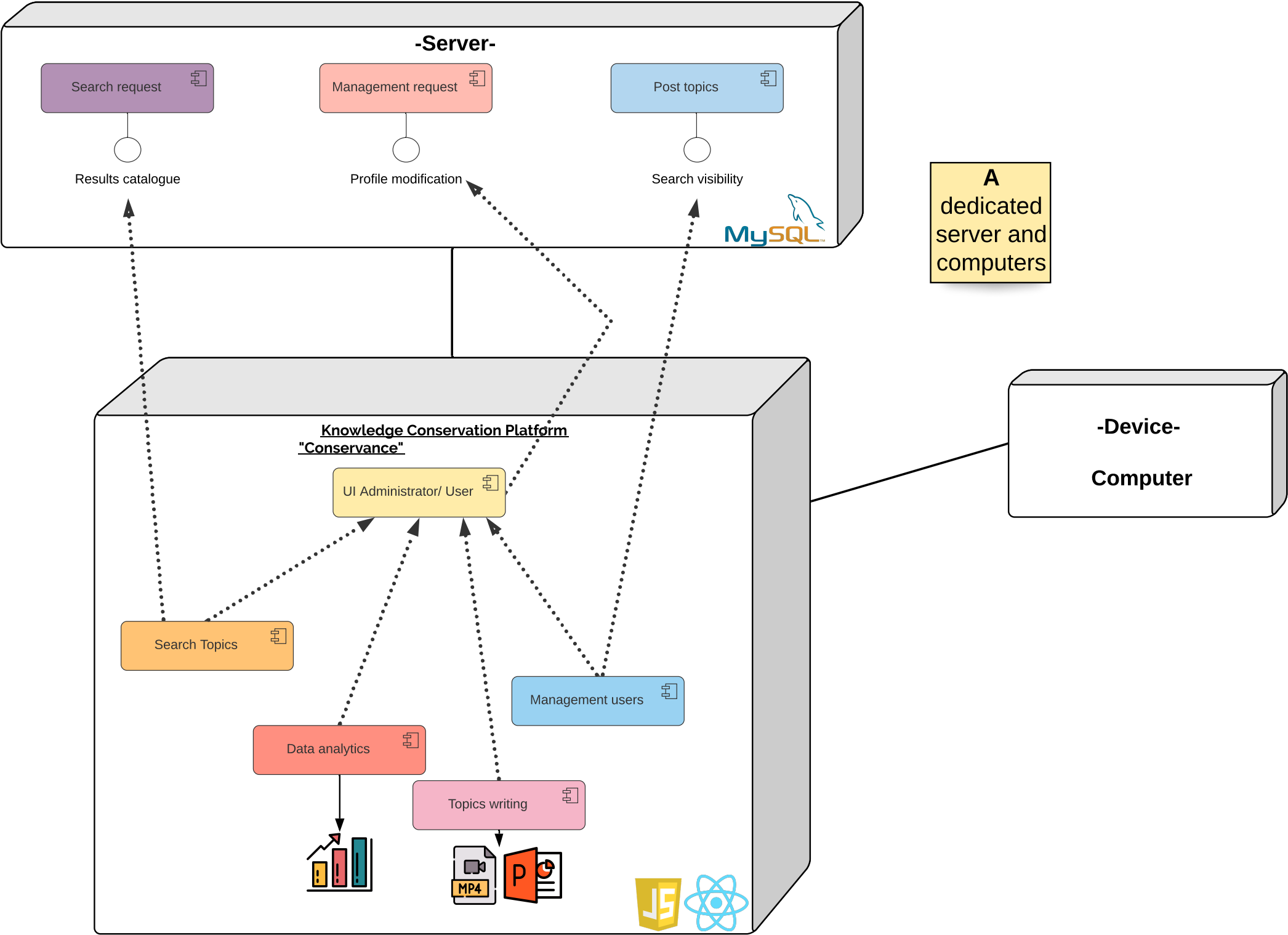
CreateTopic

SearchTopic



<<Interface>>
Knowledge Conservation System

createTopic()
searchTopic()
valueTopic()
visualizeTopic()
addUser()
deleteUser()
modifyUser()



Conclusion by Edson:

It was easy to implement it because we already had them from an activity that was previously done. The use of the 4+1 architecture is useful to organize the system through the functional and non-functional requirements that we already have. In addition, through the development of these diagrams it is possible to make annotations that will represent the technologies that are going to be implemented for the development of the project, in this case, the case study.

Conclusion written by Antonio:

You can come to the conclusion of different views, in UML modeling and the views presented in the 4 + 1 architecture, have different elements, but in the end they have the same sense or are focused towards the same goal. With this assessment you can get to see with everything that is counted in the system that are in the development phase (documentation). It is important to review the requirements of the client that must be included in the system(functions that must have).it was very similar to me the approach of the diagrams where they pointed with different elements, but as I mentioned before they go towards gathering and capturing the same information.

Conclusion written by Joseph

In conclusion, the diagrams that were made for this document were very similar to the previous ones created, only comments were added to make it much easier for the reader to identify what it is or the functionality. The 4 + 1 architecture gives us an approach to each view that has to be made so that both client and user can understand and once created it can move forward in the creation of said project. The functionalities that we show in each of the diagrams can fulfill much more extensive functions, but for this, a previous analysis of the weights for each structure was made.

 [Go to my GitHub repository](#)