

# **Documentation Numerikiando**

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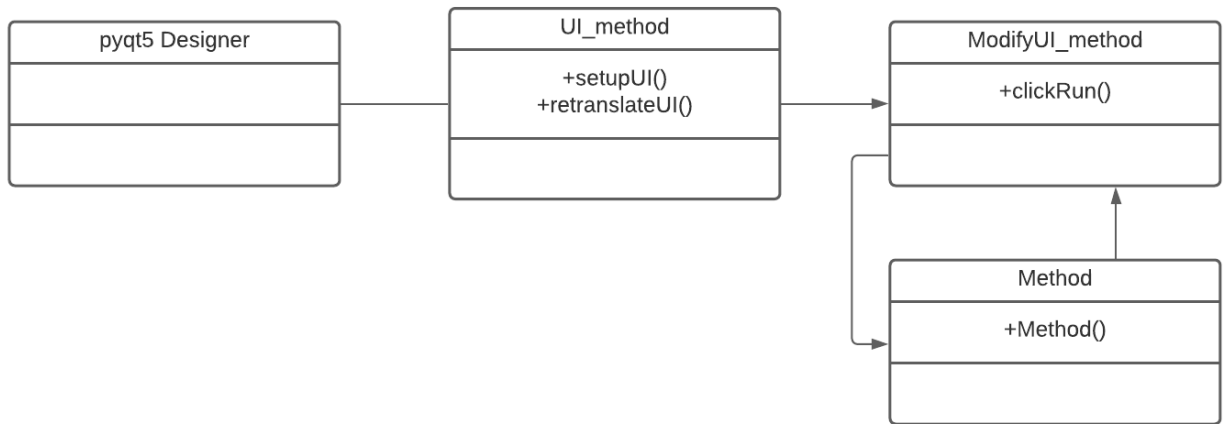
Medellín

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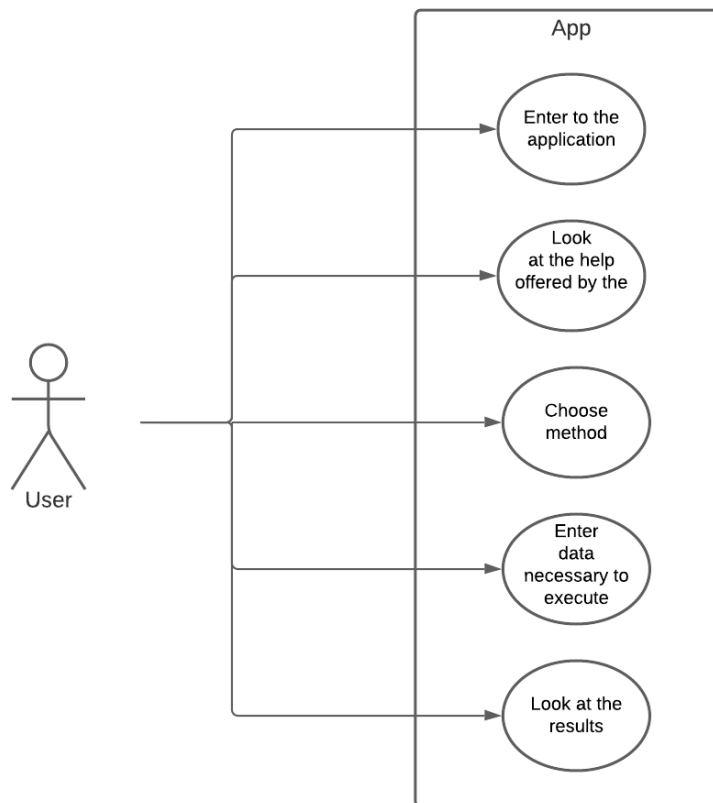
## Class diagram and use case diagram:

### Class Diagram

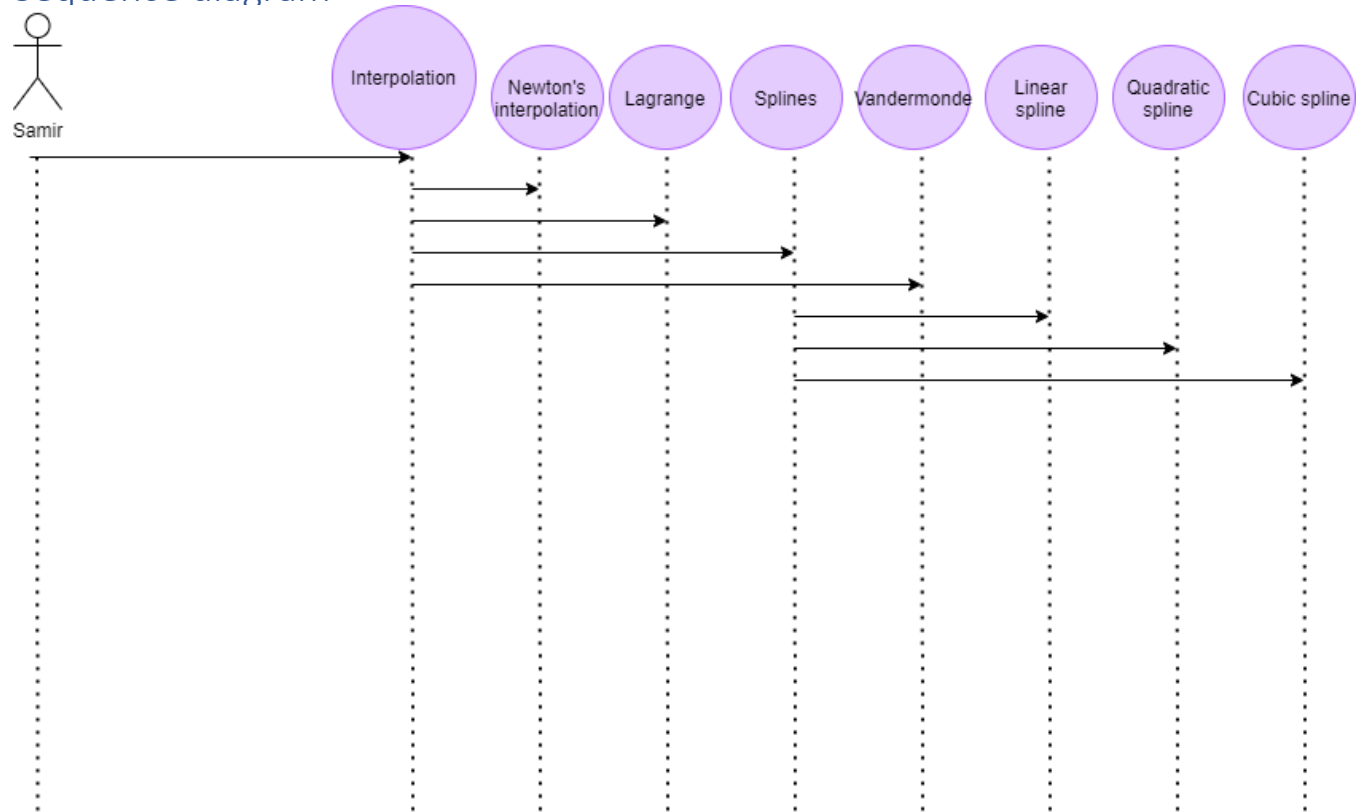
for each method is this diagram

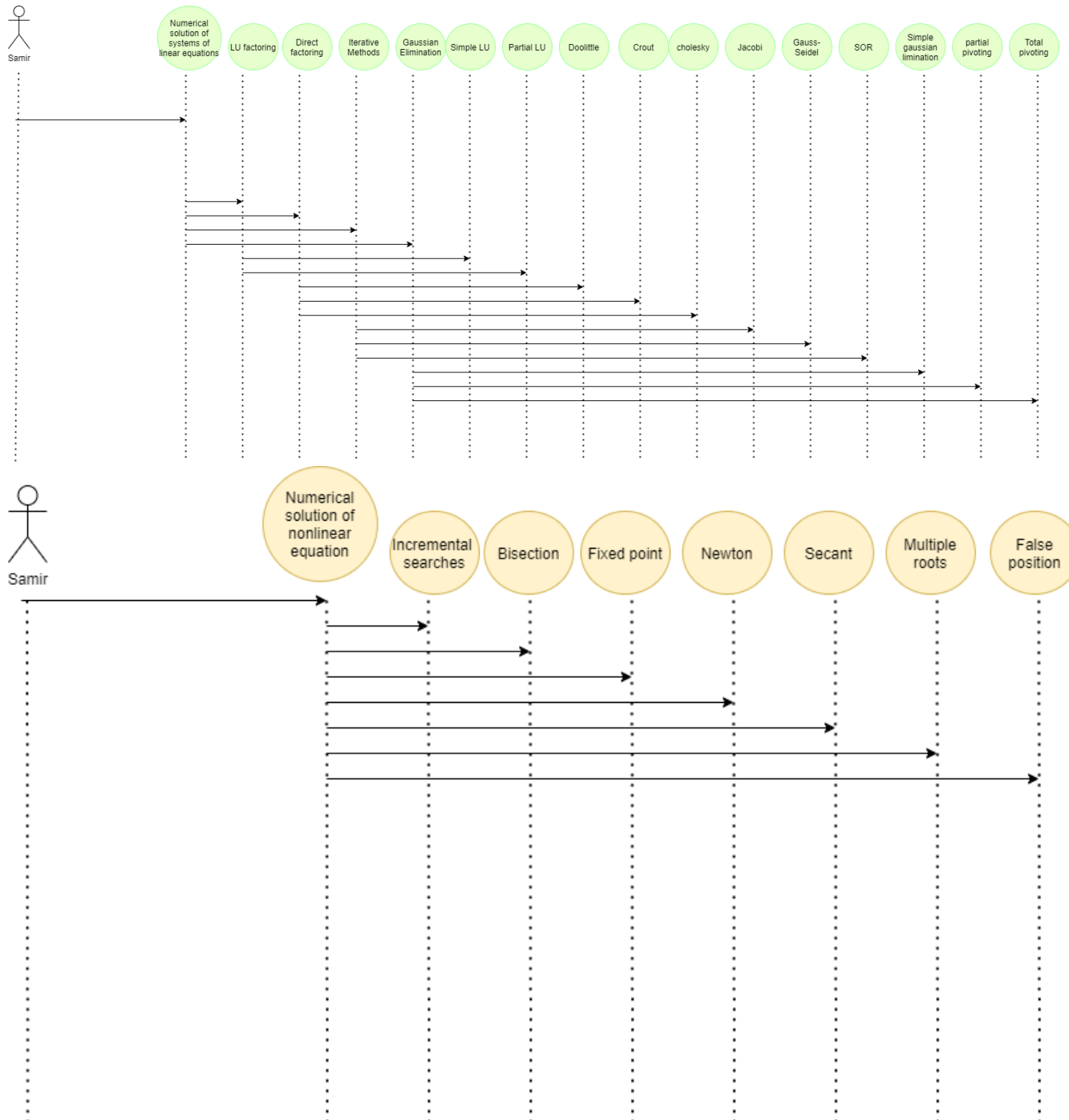


### Use Case Diagram



## Sequence diagram





## Conclusions

### Why did we choose Python as our programming language?

We chose Python because it is an easy-to-use language, as well as having libraries that help the application development and has more efficient results. As Python is an interpreted language, it facilitates the creation of the executable (.exe).

Sympy is one of the most important libraries in our project because it gives you a simple way to evaluate and analyze a function. On the other hand, we also used another library called Numpy which has a lot of modules that has helped us during the project development such as basic arithmetic with operations and arrays, simplification, and a bunch of options with dimensional arrays.

Another reason why we chose python is due to its memory management because it abstracts away a lot of the gritty details of working with computers. This gives you the power to work on a higher level to develop your code without the headache of worrying about how and where all those bytes are getting stored.