Programmation system project – Deliverable

- Deliverable 0 : Work Environment and project management

Summary :

1- Context :

Your team has just joined the software publisher ProSoft.

Under the responsibility of the CIO, you will be responsible for managing the “EasySave” project which consists of developing backup software.

Like any software in the ProSoft Suite, the software will fit into the pricing policy.

- Unit price: 200 € HT

- Annual maintenance contract 5/7 8-17h (updates included): 12% purchase price (tacit renewal annual contract with revaluation based on the SYNTEC index)

During this project, your team will have to ensure the development, the management of the major and minor versions, but also the documentation (user and customer support).

2- Work Environment :

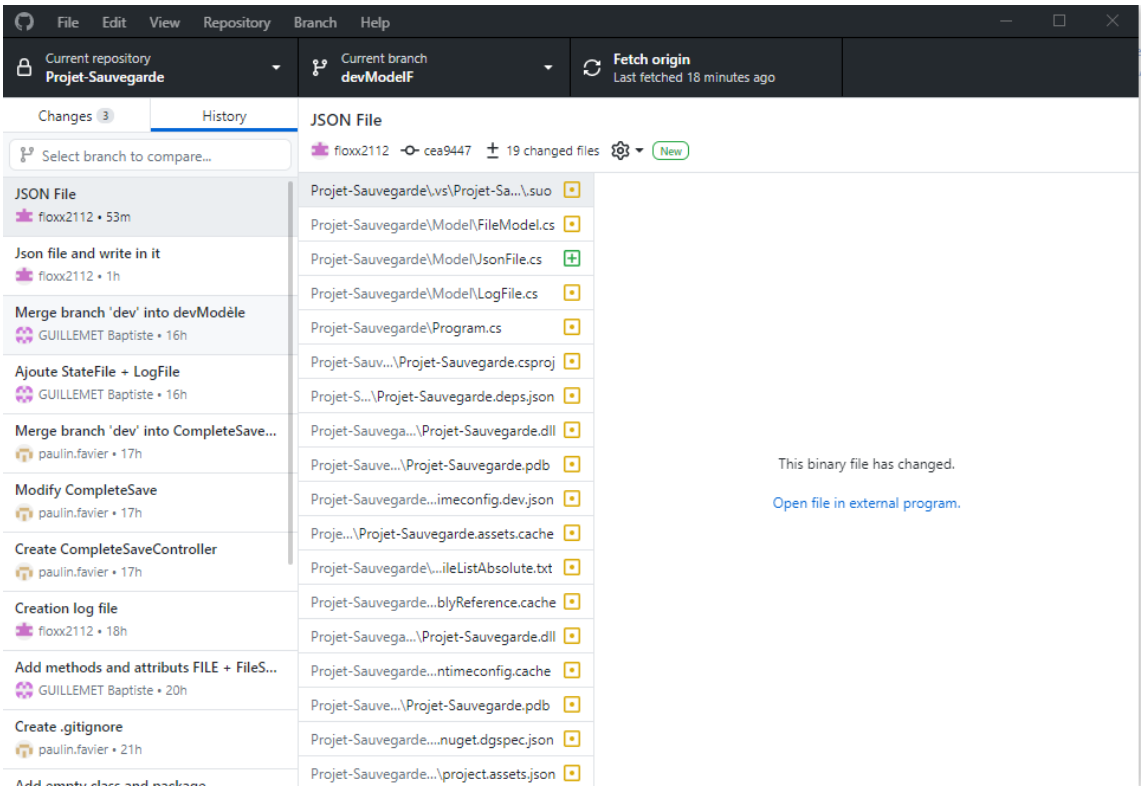
For the realisation of this project, we've used differents tools to start this project in good conditions and in a good way. these tools will help us to use an efficiency and organized development method.

In a first case we’ll all use the most popular software for C# development : Visual Studio 2019 Pro.

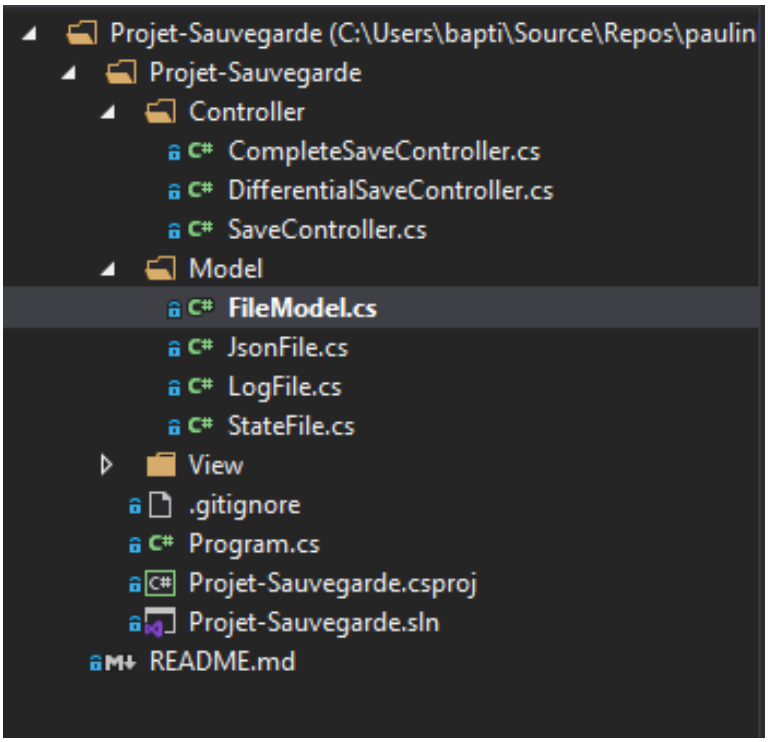
With this development software we’ll use a versioning popular tool named : GitHub. You can find the link of our project there :

https://github.com/paulinFa/Projet-Sauvegarde

Accompanied by this we all installed GitHub Desktop which allows us to manage our work and our pooling when finishing certain blocks.



Finally before we start our development we've implement in our project an MVC architecture which will allows us to organized in an optimize way the differents parts of our code to facilitate his reading.



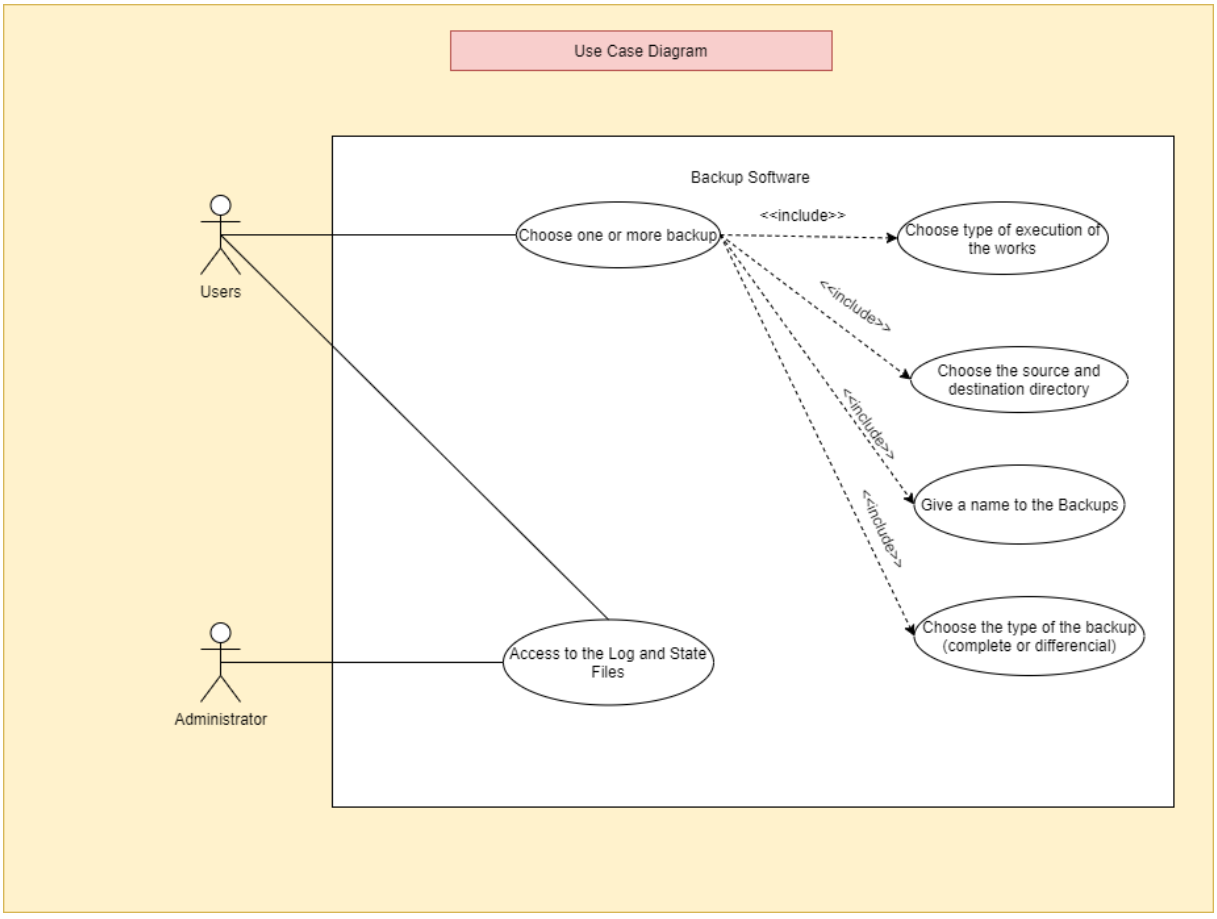
3- UML Diagrams :

Then before we start developping we've realised specifics UML diagrams which will allows us to get a clear idea of the objectives of our future software, his future architecture, his differents discussions with the users, etc..

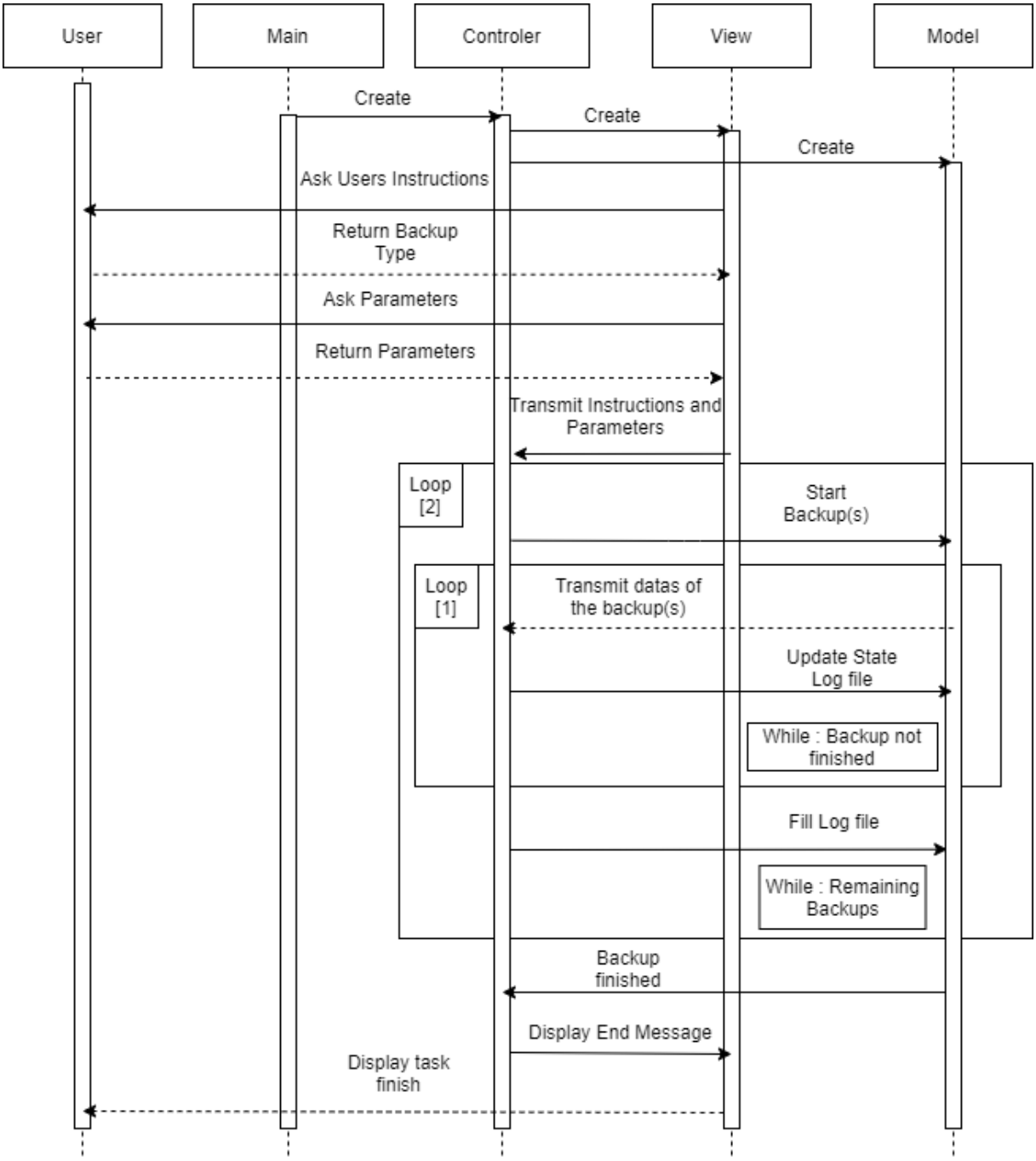
For this we've realised 5 diagrams :

- Use Case diagram
- Sequences diagram
- Activities diagram
- Classes diagram
- Components diagram

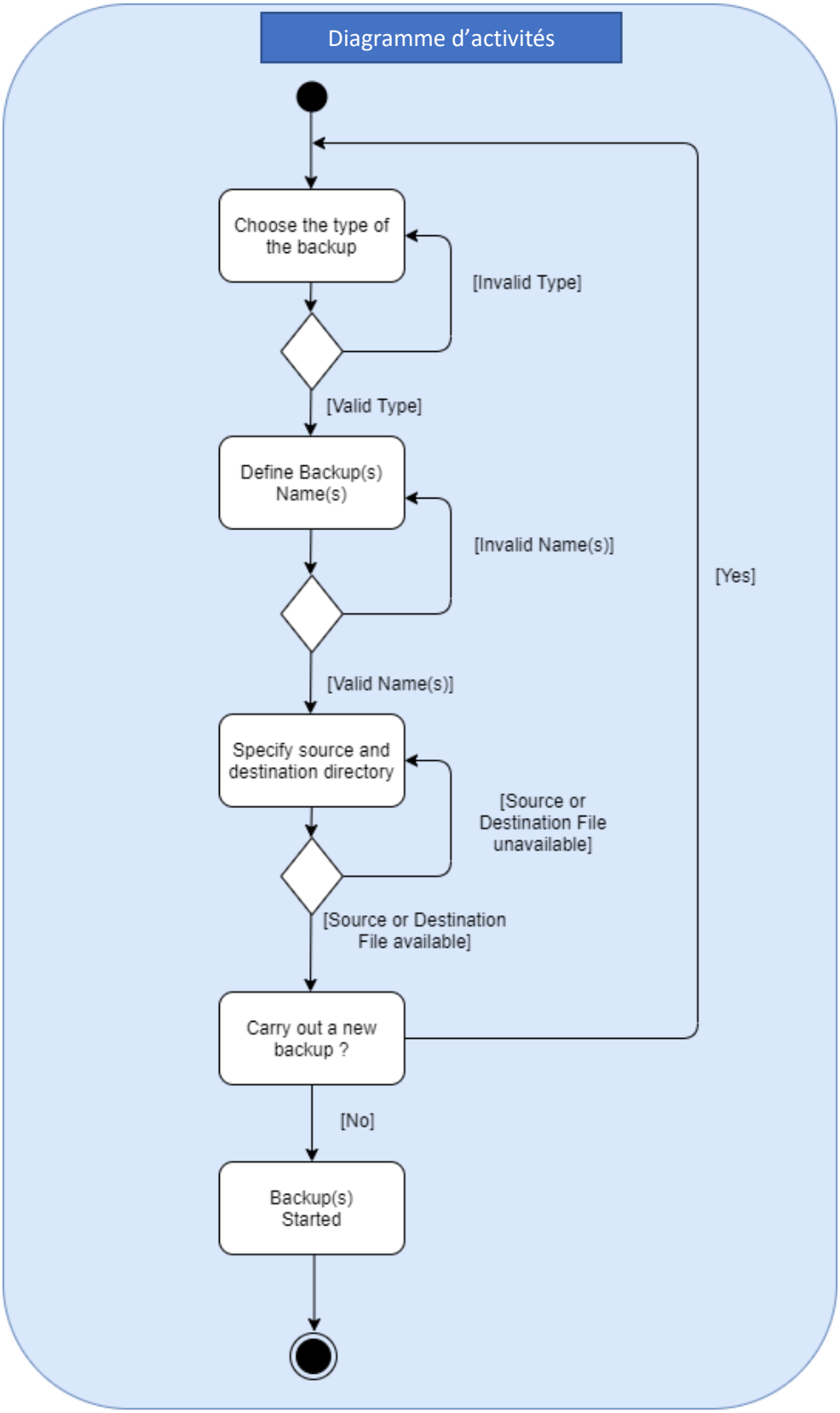
Use case diagram :



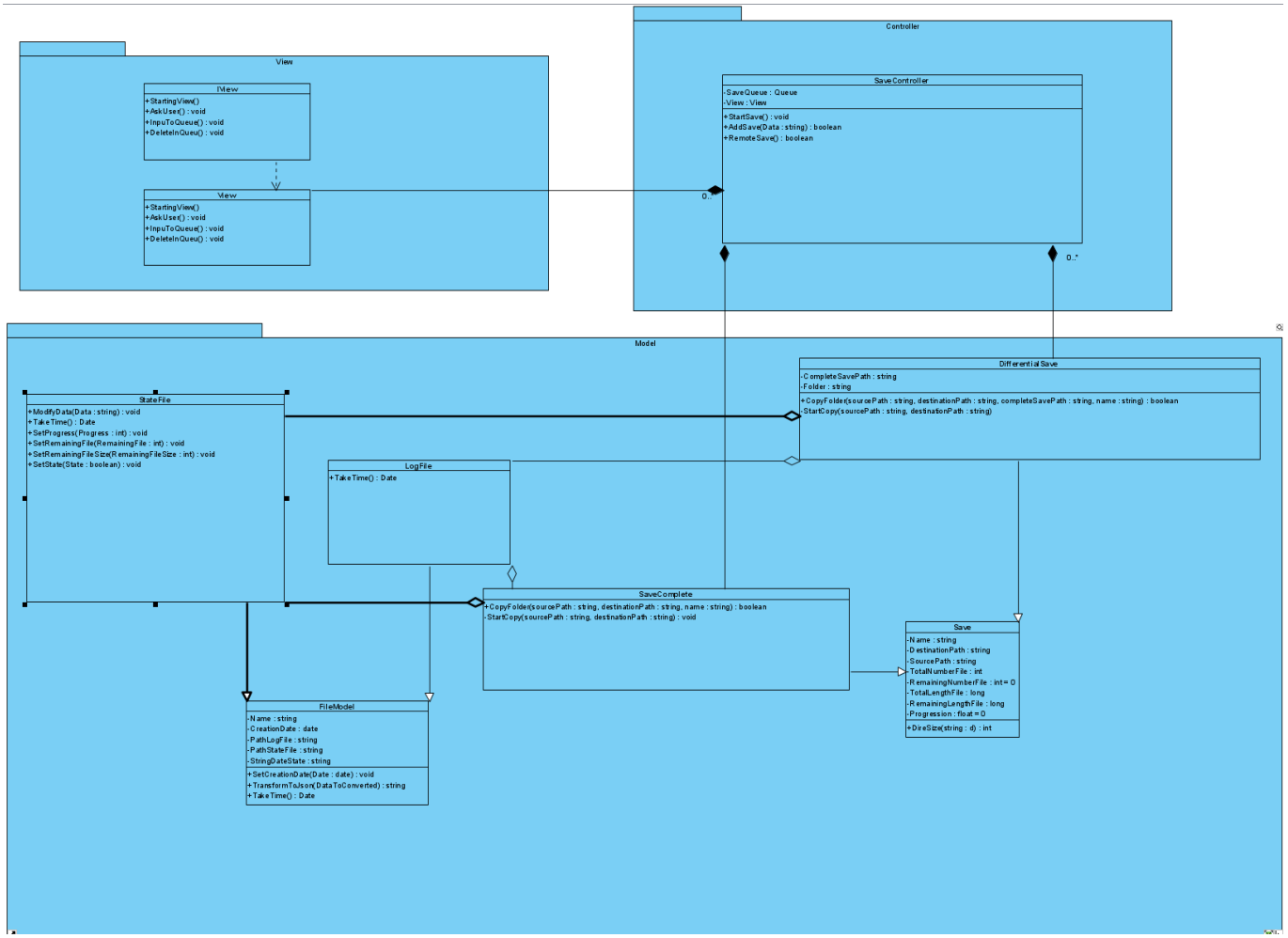
Sequences diagram :



Activities diagram :



Classes diagram :



We're are sorry for the quality of the picture, i invite you to zoom for a better quality.

Components diagram :