

FACULTY OF COMPUTERS, INFORMATICS AND MICROELECTRONICS

TECHNICAL UNIVERSITY OF MOLDOVA

AMSI

LABORATORY WORK #8

**Project description.
Modeling your project with Component
Diagrams. Project setup.**

Authors:

Tanaşciuc MACARIE

Supervisor:

Mihail GAVRILIȚA

Chişinău, 2017

Laboratory Work #8

Topic:

Modeling your project with Component Diagrams. Project setup.

Tasks:

- Model of the application using Component Diagrams.
- Steps needed to setup the project.

1 Model of the application using Component Diagrams

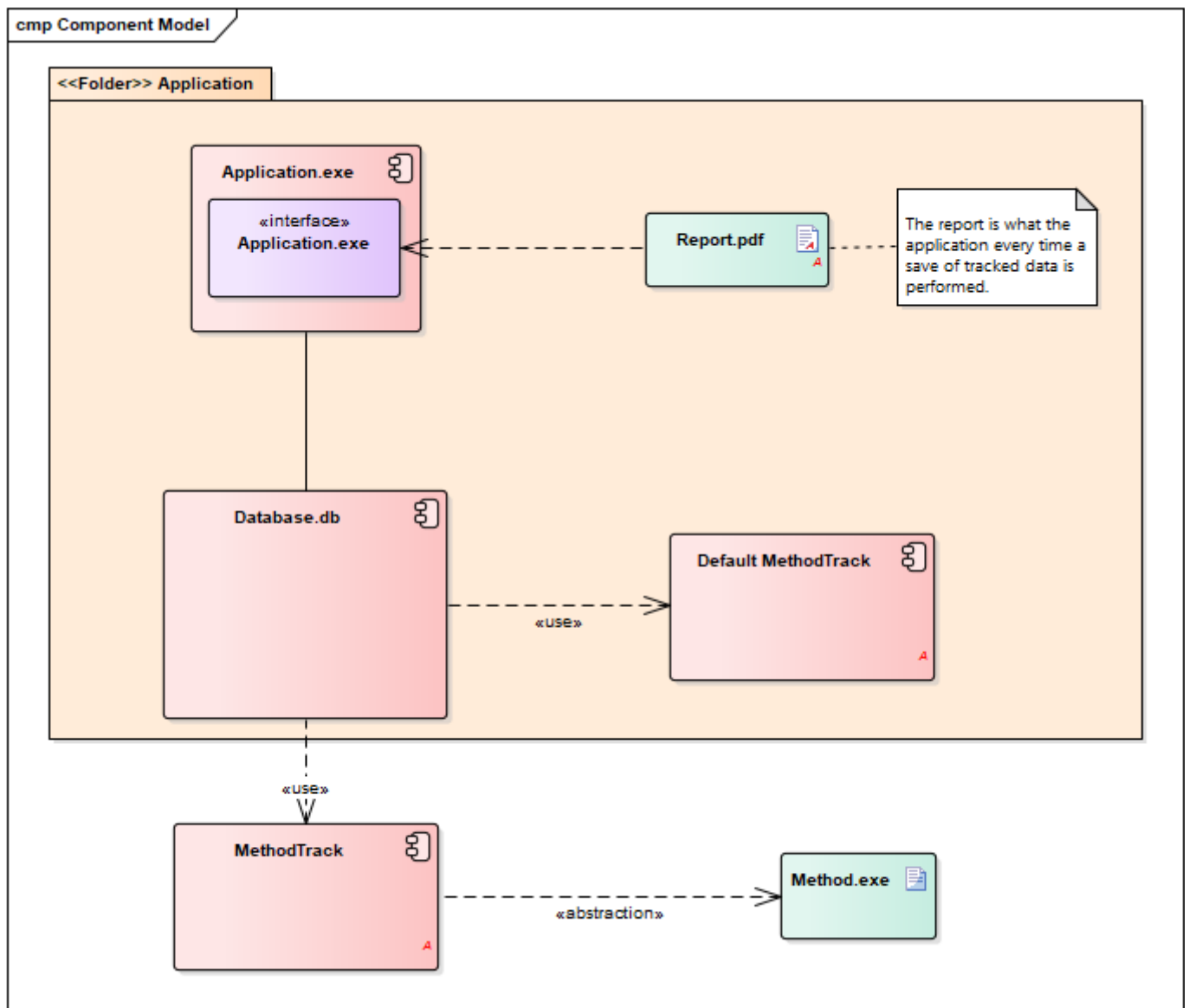


Figure 1.1 – Class Diagram

The application executable is contained in its own specific folder and by running it we get the interface. The database can use methods from outside the application folder and the default ones. Each time a save is performed the the application generates a Report.pdf that outputs the tracked data in an easy way for the user to understand.

2 Steps needed to setup the project.

In order to setup the project:

- Download and install Qt(framework)
- Download and install Sql management studio.
- A team that is specialized in operating with data under windows,Mac os and Linux to create the default methods that the application is sought to provide by default.

Conclusions

In this laboratory work i learned how to create Collaboration diagrams which means showing a conceptual representation of my program.

References

- 1 Learn Unified Model Language, <https://www.tutorialspoint.com/uml/>
- 2 Wikipedia, https://en.wikipedia.org/wiki/Unified_Modeling_Language
- 3 Notes on UML course given by professor and laboratory assistant.
- 4 UML - Component Diagrams, https://www.tutorialspoint.com/uml/uml_component_diagram.htm