# User Requirements specification

GROUP A

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## Introduction

The network flow system allows the users to plan out a pipeline to see measure how the flow would be distributed. The user is provided with various elements that would replicate real life objects to control the flow on the pipeline.

This document will introduce you to the functional design of the system with the help of a ***class diagram, sequence diagrams and a class documentation.***

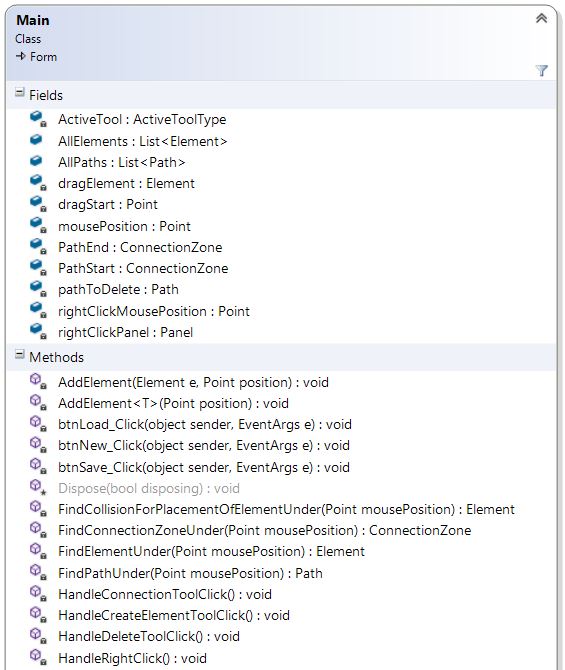
***The class diagram*** is created following all the UML standards and it describes the structure of the system by showing the system's classes, their attributes, operations (or methods), and the relationships among objects.

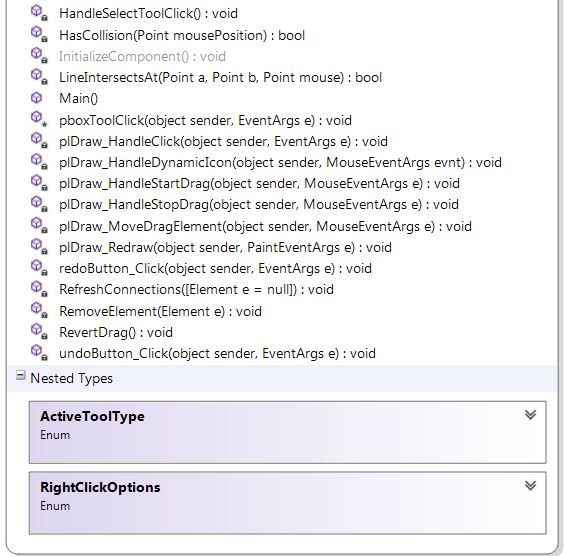
***The class documentation*** is a description of the classes and their members.

***The sequence diagrams*** (or event diagrams) are showing how processes operate with one another and in what order. They present the object interactions arranged in time sequence. The sequence diagrams depict the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario***.***

## C:\Users\user\Desktop\OOD2\diag1.JPGClass diagram



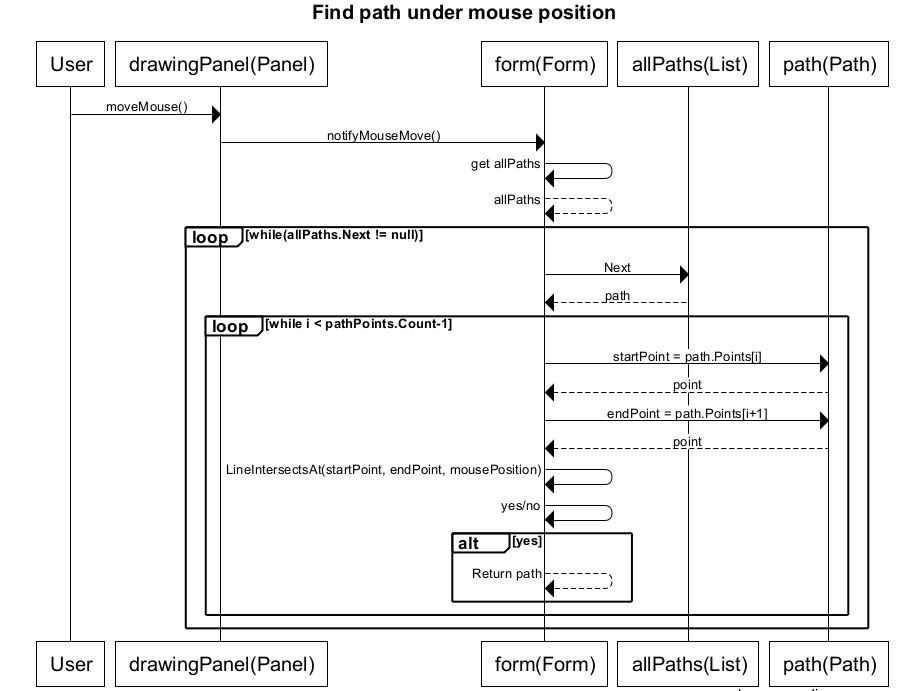


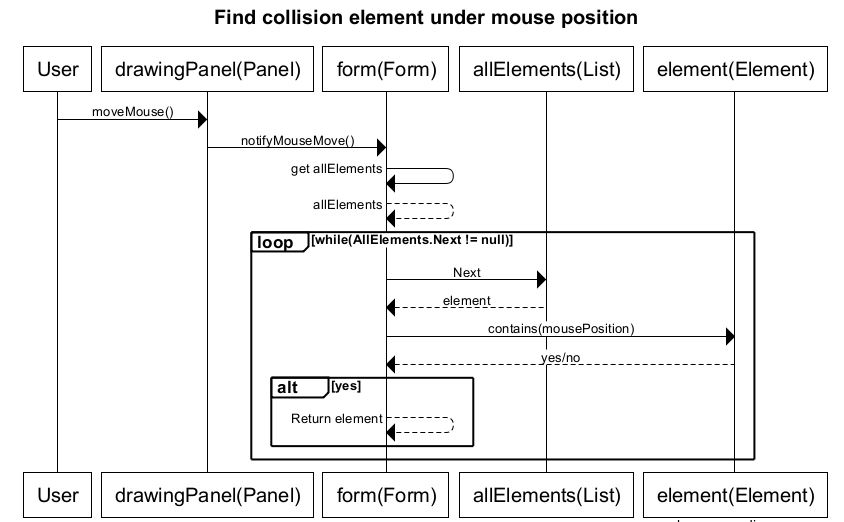


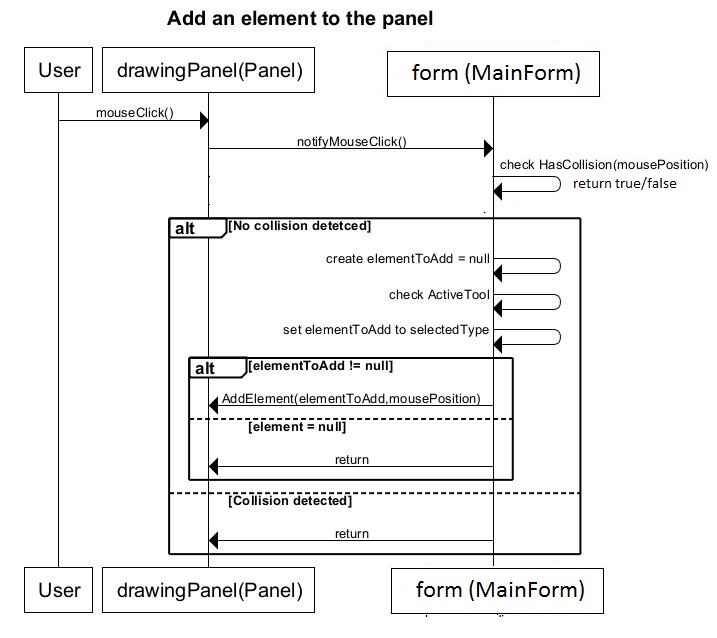
## Class Documentation

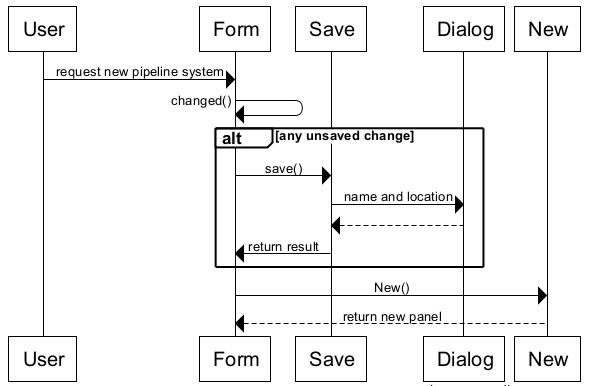
This part of the document can be found in the Class Documentation folder.

## Sequence Diagrams

(some sequence diagrams)

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**New Pipeline system diagram**