**Report Of**

**UMLs Diagrams For**

**Pressure Monitoring System**

**Submitted By**

Marina Safwat

1. **Case Study:**

The system is intended to be a component of a pressure control system designed to monitor pressure values in a cabin or closed environment, adhering to the following specifications:

- If the pressure exceeds a specific threshold (20 bar) in the cabin, it will notify the cabin crew.

- The alarm duration is set to 60 seconds.

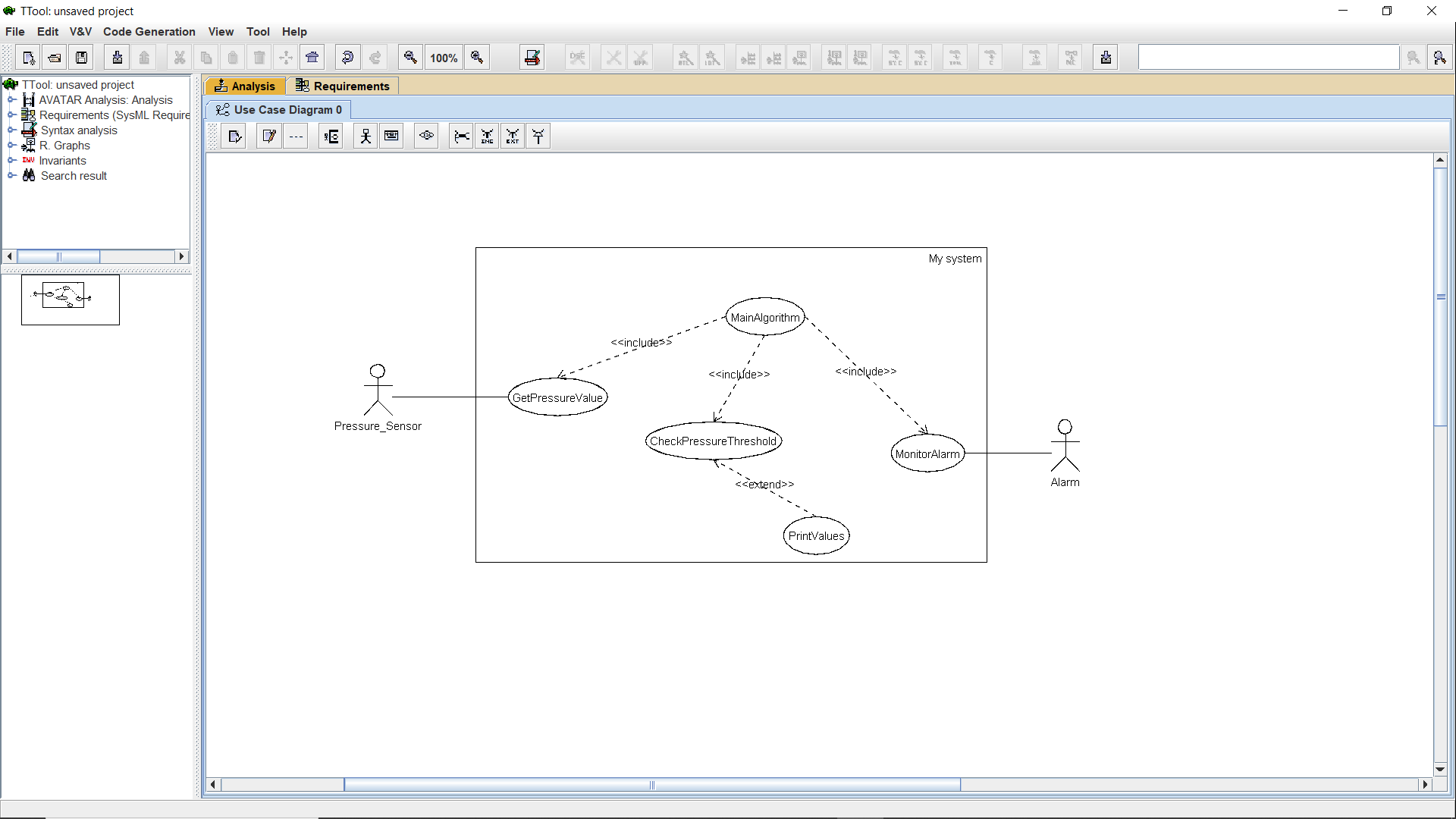
- The system will consistently track the measured pressure values.

1. **Requirements Diagram**

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1. **Use Case Diagram**



1. **Activity Diagram**

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1. **Sequence Diagram**

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1. **System Design Diagram (Block Diagram)**

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1. **State Machine For Pressure Sensor**

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1. **State Machine For Pressure Monitor**

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1. **State Machine For Alarm Monitor**

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1. **State Machine For Alarm**

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1. **Running in TTool**

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1. **Running in CMD**

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1. **Proteus Simulation**

**Case: 22**

**A computer screen shot of a computer program

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**Case: 18**

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1. **Code Analysis**

**Symbol table:. elf**

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**Each file only:A screen shot of a computer

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