**BLG 475E**

**SOFTWARE QUALITY and TESTING**

**Homework: Test Case Scenarios and Suites**

**Team Members**

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**The Flow Graph of the Process**

The Notary’s Selling a Car / Buying a Car System

EGM informs the Notary, the buyer, and the seller through SMS.

SELLING PROCESS

SELLING PROCESS

NO

NO

The car is transferred to its new owner through EGM system.

Both EGM and VD systems are informed.

The seller pays the debt through a bank.

YES

SELLING PROCESS FAILS

YES

Does the car have a debt?

Is the car stolen?

NO

YES

Has the car borrowed a traffic penalty?

**The List of Test Scenarios Referred from the Paths in the Flow Graph Above**

* The Notary’s Selling a Car / Buying a Car System begins the checks at the beginning.
* The First Check: Has the car borrowed a traffic penalty?
  + Yes: The selling process fails, because a car having borrowed a traffic penalty cannot be sold. The flow returns to the beginning of the system.
  + No: Go to the next test case: Is the car stolen?
    - Yes: The selling process fails, because a stolen car cannot be sold. The flow returns to the beginning of the system.
    - No: Go to the next test case: Does the car have a debt?
      * No: Everything is OK. The car is sold. After the selling process, the flow returns to the beginning of the system.
      * Yes: To let the car be sold, the following steps must be performed successively:
        + The seller pays the bank through the bank.
        + Both EGM and VD systems are informed.
        + The car is transferred to its new owner through EGM system.

If all of these steps have been performed successively, everything becomes OK, and the car is sold. The flow returns to the beginning of the system.

Finally, after the selling process, EGM performs the Notary, the buyer, and the seller through SMS.