

**CONCORDIA UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING**

**SOEN 6481: SOFTWARE SYSTEMS REQUIREMENTS SPECIFICATION: SECTION AA
SUMMER 2015**

DELIVERABLE 2

This deliverable is about potential structural and behavioral description of a TVM, relevant for software requirements engineering.

PROBLEM 1 [40%]

Elicit and describe each relevant concept and relationship of the TVM. Using UML, construct a problem domain model for the TVM, say, DM_{IGO} .

SCOPE

It is important that concerns outside the scope of the TVM are, if necessary, included as an abstraction and their details are ignored subsequently.

PROBLEM 2 [60%]

Elicit and describe each use case of the TVM. Then, using UML, construct a use case model for the TVM, say, UCM_{IGO} . Furthermore, using UML, express the normal scenario of each use case in UCM_{IGO} .

The collection of use cases can include both positive and negative use cases.

SCOPE

It is important that behavioral concerns internal to the TVM are ignored.

NOTES

The artifacts in this deliverable should be informed by each other, as well as by artifacts other deliverables, as necessary.

The quality of both the representation and the presentation of information will be determinants in marking. In particular, syntactic, semantic, and pragmatic concerns of models are significant.