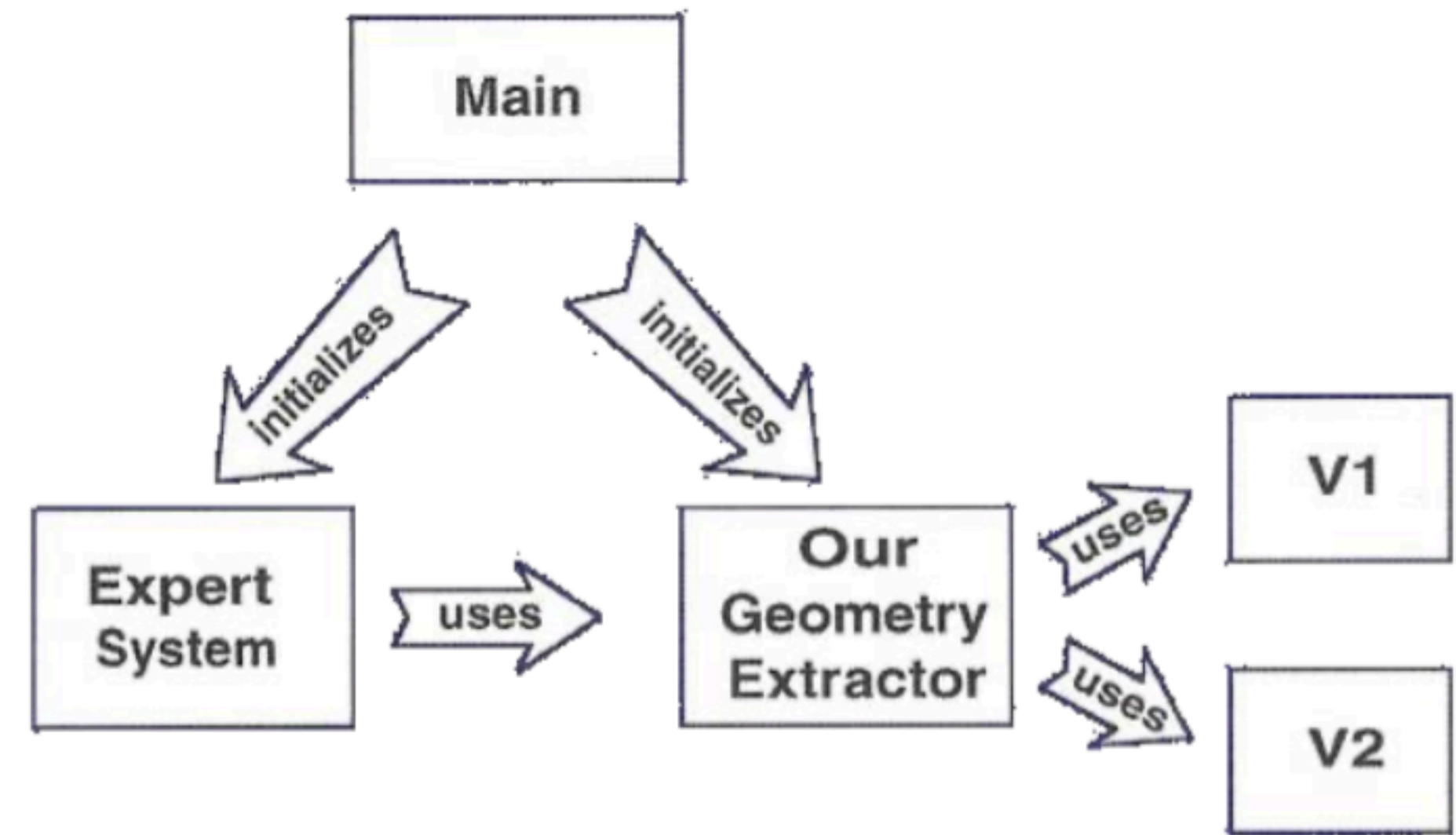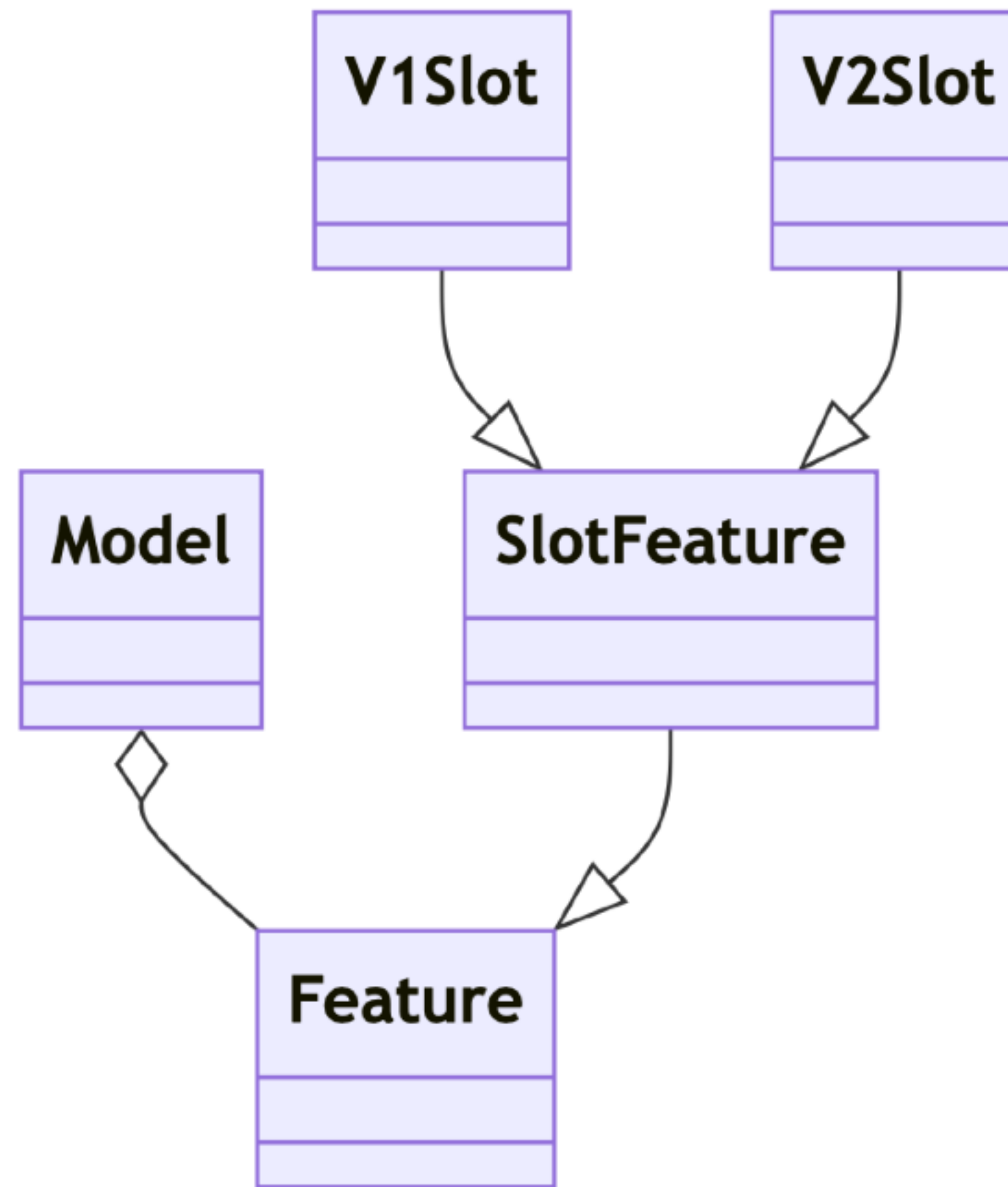# Modeling the System

- This software, like most, will change over time. In this example, there are two major components that may change: the expert system and the CAD system.

- These systems can vary independently. Either the CAD system can be upgraded or the Expert System can be enhanced.

- The challenge is to minimize the impact one has on the other.

An Inheritance Cautionary Tale

Probably your first instinct to solve the problem. This is an overly simplistic view.

Ian Tyler Applebaum · Instructor · Temple University CIS