



Views

View Modifications Using Triggers

Modifying views

- Once V defined, want to modify V like any table
- Modifications to V rewritten to modify base tables
- ❖ Unlike queries, cannot be automated in general

Modifications to V rewritten to modify base tables

(1) Rewriting process specified explicitly by view creator

- + Can handle all modifications
- No guarantee of correctness (or meaningful)

(2) Restrict views + modifications so that translation to base table modifications is meaningful and unambiguous

- + No user intervention
- Restrictions are significant

Modifications to V rewritten to modify base tables

(1) Rewriting process specified explicitly by view creator

Using special **INSTEAD OF** triggers

Demo: simple college admissions database

College(cName, state, enrollment)

Student(sID, sName, GPA, sizeHS)

Apply(sID, cName, major, decision)