Views

View Modifications Using Triggers

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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

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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(<u>cName</u>,state,enrollment)

Student(<u>sID</u>,sName,GPA,sizeHS)

Apply(<u>sID</u>,<u>cName</u>,<u>major</u>,decision)

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