View Store Revenue by Year

View Store Revenue by Year

Select Available State

Display Store Revenue by Year

Task Decomp

Lock Types: Lookup State and Display Store Revenue by Year. Both are read-only.

Number of Locks: Several different schema constructs are needed.

Enabling Conditions: Display Store Revenue by Year triggered by successful State selection.

Frequency: Both have the same frequency.

Consistency (ACID): not critical.

Subtasks: Mother Task is required to coordinate subtasks. Order is necessary. **Select Available State** first followed by **Display Store Revenue by Year**.

Abstract Code

* User clicked on ***View Store Revenue by Year Report*** button from **Main Menu:**
* User selects state from State drop-down.
* While no buttons are pushed, do nothing.
* When ***Search*** button is pushed:
* If state was selected, **Display Store Revenue by Year** through querying for information from City, Store, Sale and Day tables. Revenue collected by stores per state is grouped by year.
* If state was not selected, populate a message saying that please select a state.
* When done, user selects next action from choices in **Main Menu**.

Edit Population

Edit Population

View Population

Update Population

Select City

Task Decomp

Lock Types: Lookup city, read and update population.

Number of Locks: Single.

Enabling Conditions: Population updated by successful City selection.

Frequency: Different frequencies.

Consistency (ACID): Critical. If the city population is edited by the user, category in Report 6 needs to be updated to make the database consistent.

Subtasks: Mother Task is required to coordinate subtasks. Order is necessary. Select State first followed by view population. Then, population can be updated.

Abstract Code

* User clicked on ***Population Maintenance*** button from **Main Menu:**
* User selects city from City drop-down.
* While no buttons are pushed, do nothing.
* When ***Search*** button is pushed:
* If city was selected, **View Population** in ***Population Maintenance UI***.
* If city was not selected, populate a message saying that please select a city.
* User enters updated population in input textbox.
* When ***Save*** button is pushed:
* If updated population was entered, **Update Population** and **View Population**.
* If updated population was not entered, populate a message saying that please enter population.
* When ***Cancel*** button is pushed, go to **Main Menu**.