

Intro To Database Systems And Designs – Spring 2012

Project title: Gift Registry

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CREATE INDEX Find_Person ON Person (User_ID);

In our database use *Person* information will be pulled up by *User_ID* most efficient since we are not allowing any other key for information search.

CREATE INDEX Find_Guests_List ON Guests_List (Giver_ID);

In our database use *Guests_List* will be pulled up by *Giver_ID* most efficient since we are not allowing any other key for information search. It gets *Giver_ID* and matches with *Person_ID* in *Person* table.

CREATE INDEX Find_Gift ON Gift (Event_ID);

We look for gifts related to events by *Event_ID* and *Gift_ID* once again we do not allow any other key search in our application there fore this is the best way to index.

CREATE INDEX Find_Item ON Item (Item_ID);

When we do *Gift_ID* mach with *Item_ID* in *Gift* and *Item* tables it is most efficient to look-up items by their ID.

CREATE INDEX Find_Contact_Info ON Contact_Info (User_ID);

In address search we match *User_IDs* in *Person* and *Contact_Info* tables, non other look-up is allowed in our design.

CREATE INDEX Find_Address ON Address (Location_ID);

System does search of address by *Location_ID* in *Contact_Info* and *Address* tables. Whole address information is being extracted at once and there is no other key allowed.

CREATE INDEX Find_Events ON Events (User_ID);

To find events that are related to person we match *User_IDs* in *Events* and *Person* tables.