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Database Management Systems

Final Project Design Document

SPECIAL INSTRUCTIONS

- `cd socialapp/scripts`
- `./startPostgresql.sh`
- `./createPostgreSQL.sh`
- `./set_up_database.sh`
- `cd socialapp/java/scripts`
- `./compile.sh`

EXTRA CREDIT

- Used Triggers for generating msgid and timestamp when sending messages
- Used Hash index on userid in `usr`, `work_expr` and `educational_details` to speed up equality selection.
- Used Hash index on msgid in `message`.

COLLABORATION

We Split the work 50-50 percent.

IMPLEMENTATION

Overall the GUI is very intuitive. Some Key points are:

- I. The main menu will allow people to create an account or log in using an existing account.
- II. Once you log in, you will be able to do many things like view profile, update profile, view friends, view messages, delete messages etc.
- III. To send request to someone, first you have to look up their profile. You can search using either their userid, name or email.
- IV. Once you search someone, you can visit their profile and do a number of things like send message, send friend request etc.