CS2102: DATABASE SYSTEMS

Project

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# Server

We use WAPP (Windows, Apache, PHP, Postgres) Stack for our project.

Web server: Apache

Server Page language: PHP, Javascript

Database management: Postgres

# ER Diagram

Figure 1 below shows the ER Diagram for our project.

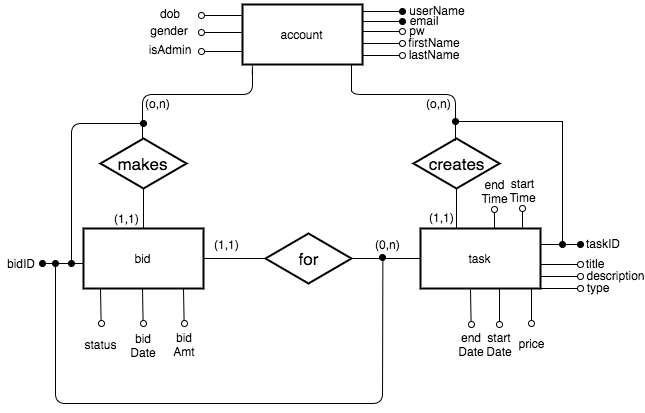
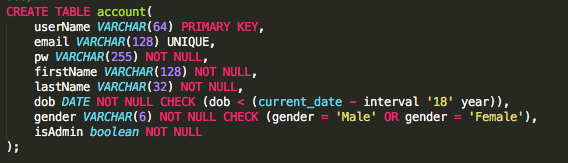


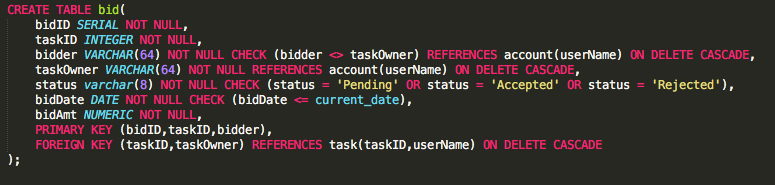
Figure 1: ER Diagram of our Project

# Project

## Relational Schema

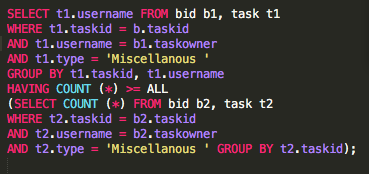


## /Users/khorshaoliang/Desktop/Screen Shot 2017-11-02 at 5.05.09 PM.png



## Sample Features

Show the most user whose task have the highest amount of bid in a particular category



SELECT t.username FROM bid b, task t

WHERE t.taskid = b.taskid AND t.username = b.taskowner

AND t.type = 'Miscellaneous'

GROUP BY t.taskid, t.username

HAVING COUNT (\*) >= ALL (SELECT COUNT (\*) FROM bid b2, task t2

WHERE t2.taskid = b2.taskid

AND t2.username = b2.taskowner

AND t2.type = 'Miscellaneous' GROUP BY t2.taskid);

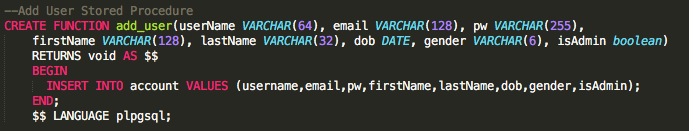
Users that bid $0 for more than 15 tasks

Users that did make any bid for the current month

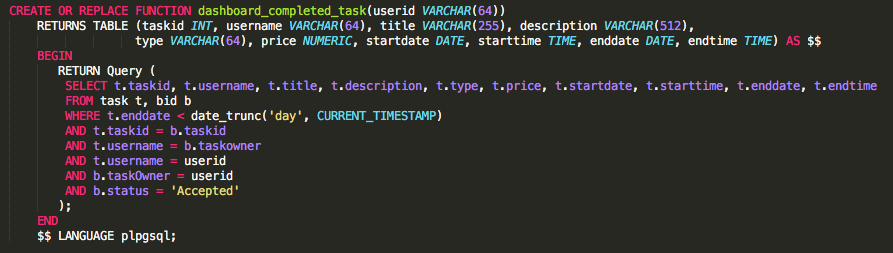
Pagination

$result = pg\_query($db, "SELECT \* FROM task LIMIT 10 OFFSET $page1;");

Stored procedure for adding user



Stored procedure for dashboard completed task statistics



## Images

# Bibliography

**There are no sources in the current document.**