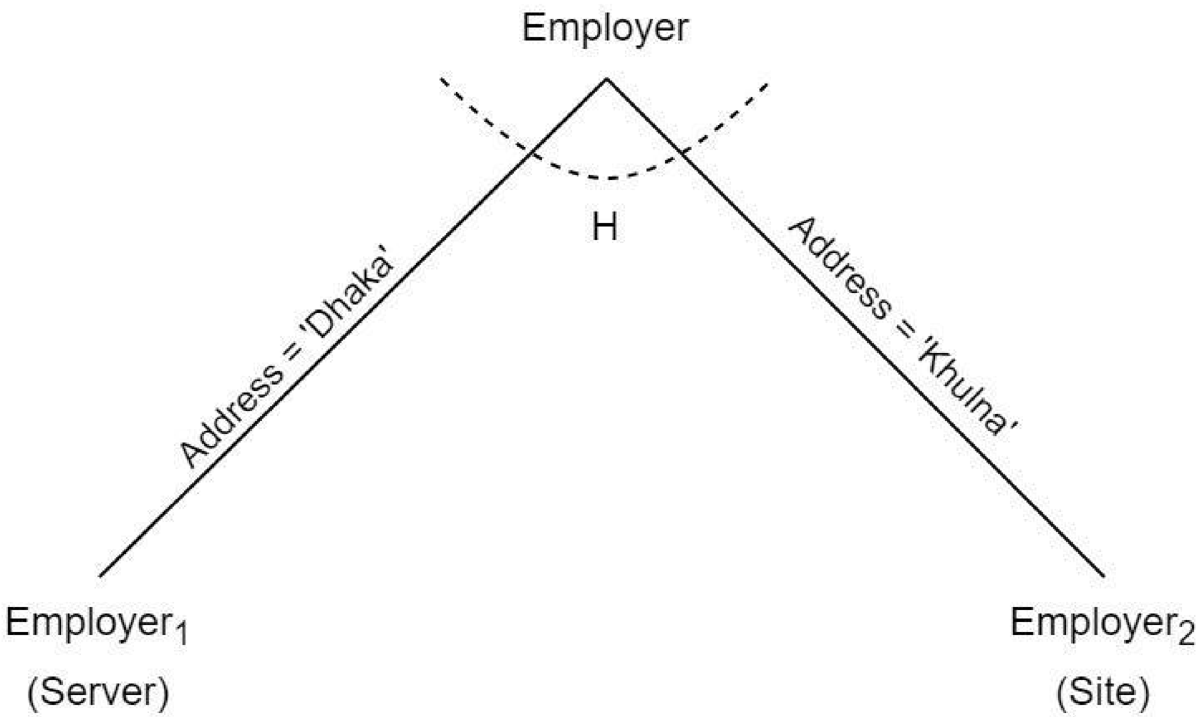
ABSTRACT

A job search platform is the subject of our project. Here, a person can browse for both the positions in their area as well as the positions they are interested in. To apply for jobs, they can. Jobs that have been made secure can only be applied for by authenticated users. As both computers play a part in our project, one serves as the server and the other as the site computer. Thus, the Employer table entry in this case is managed by the server pc. Employer PC cannot directly add values by Site PC. They initially insert the value into a temporary table on the server computer. If the server computer authorizes it, the data are subsequently added to the Employer table; otherwise, they are removed.

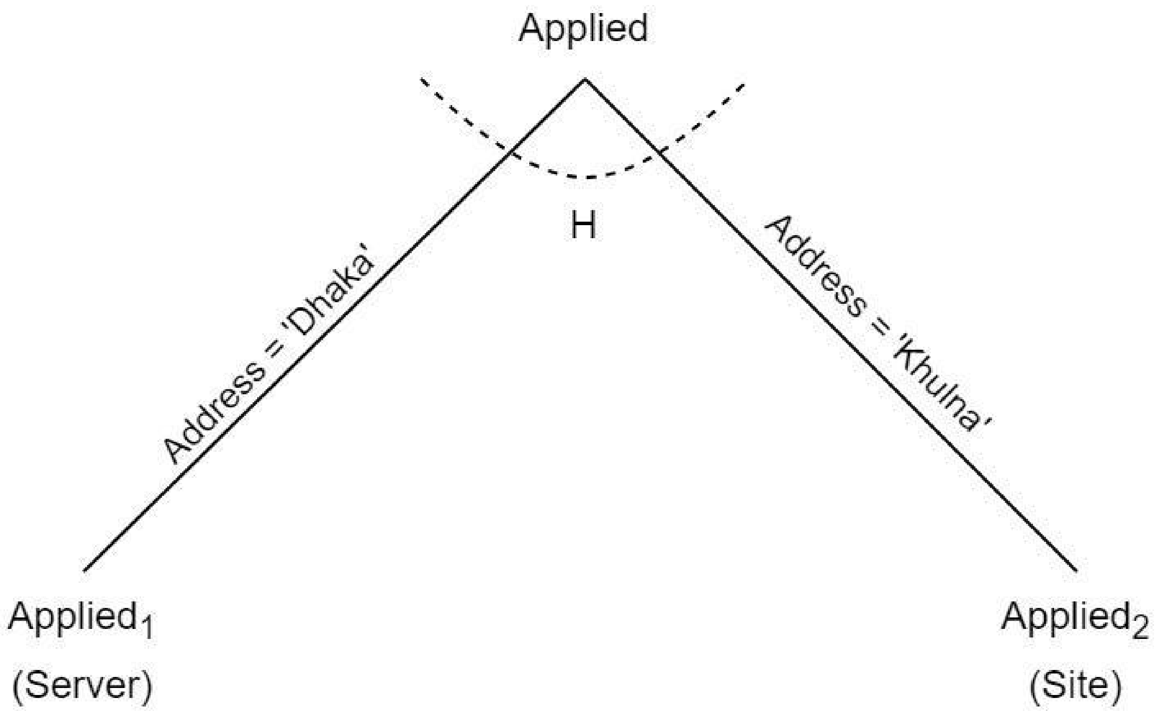
PROJECT DESCRIPTION

We have developed a system for finding jobs that allows users to search for openings in both their preferred positions and strategic locations. If they wish to view the table of places they have already applied, they must log in. Every time a user wants to apply for a job, our system first determines whether or not the user is already in the user table. The user may then apply after it has been checked. Following job applications, the available position's availability table was updated along with the associated applied table. Our system only displays positions that are open right now. Since we have two laptops, one is a server laptop and the other is a site laptop.We also gave it the name PC, with one residing in Khulna and another in Dhaka. Both PCs are capable of performing almost all tasks, however the server PC is more powerful. Site PC is unable to directly insert data into the Employer table. It is only carried out with the server computer's consent. In our project the database table has been fragmented horizontally based on the location of the PC.We have 4 common tables in both PC but the server PC has another table which only contains the temporary employer table values that has been inserted from site PC. The fragmentation of the tables are attached hereby to observe visually:

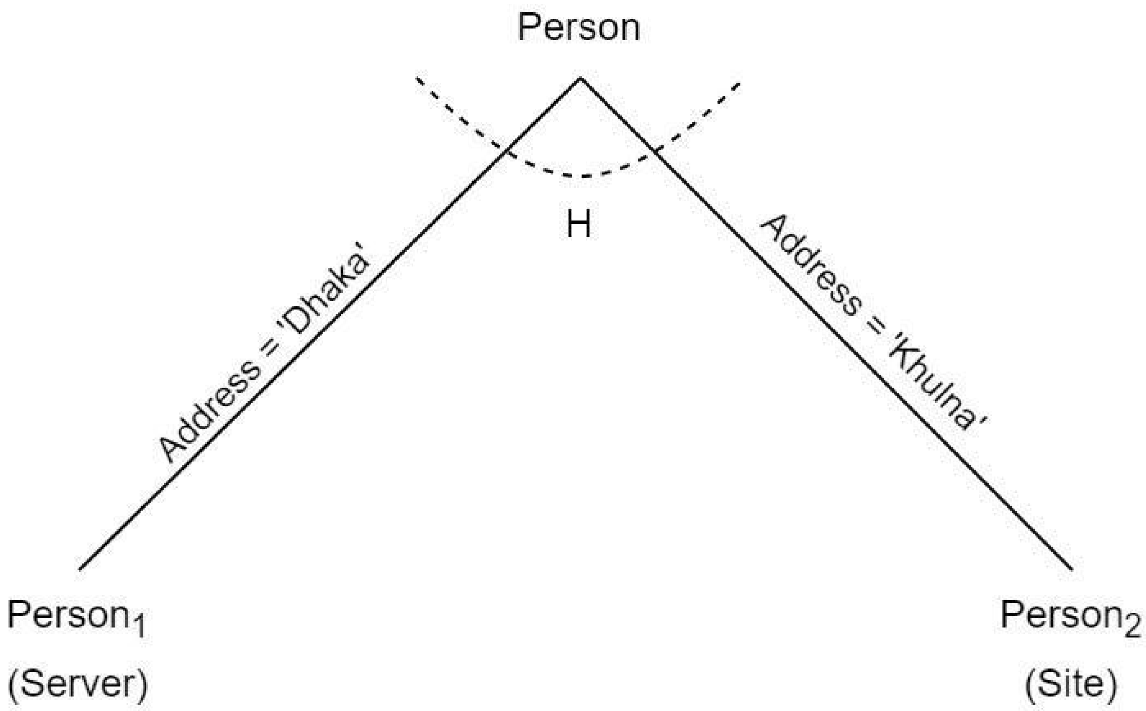
Fragmentation of Employer table



Fragmentation of Applied table:



Fragmentation of person table



Global Schema

Person (id number, name varchar2(20), age varchar2(20), address varchar2(20), email varchar2(20), num varchar2(20))

Employer (id number, nameEm varchar2(20), address varchar2(20), email varchar2(20), num varchar2(20), requirement varchar2(20), salary number, availablePos number)

verifyLogin (id number, username varchar2(20), password varchar2(20), userStat varchar2(20))

applied (id number, nameEm varchar2(20), position varchar2(20), coEmail varchar2(20), pName varchar2(20), email varchar2(20))

applied (nameEm varchar2(20), address varchar2(20), email varchar2(20), numvarchar2(20), requirement varchar2(20), salary number, availablePos number)

Fragmentation Schema

Employer$_1$ = SL$_{\text{address=”Dhaka”}}$ Employer

Employer$_2$ = SL$_{\text{address=”Khulna”}}$ Employer

Person$_1$ = SL$_{\text{address=”Dhaka”}}$ person

Person$_2$ = SL$_{\text{address=”Khulna”}}$ person

applied$_1$ = SL$_{\text{address=”Dhaka”}}$ applied

applied$_2$ = SL$_{\text{address=”Khulna”}}$ applied

My Contribution

1. **Package:** Implementing mypack package which contains 6 procedures from server Pc and 4 from site Pc. The Procedures are:

showAppliedList: Shows a table which has been occurred after a join operation between Three tables Employer ,person , applied from the server Pc.

showAppliedList2: Shows a table which has been occurred after a join operation between Three tables Employer ,person , applied from the site Pc.

logged: This procedure also show a table after a join operation between Employer , person , applied from the host PC. It shows the application made by user after login.

site_logged: This procedure also show a table after a join operation between Employer , person , applied from the another PC. It shows the application made by user after login when the person data is checked from another PC.

APPROVE: This procedure in only used in server Pc as the server PC can only approve the values from Employer_approval.

DISCARD: This procedure in only used in server Pc as the server PC ,if it decides to reject the values and not to enter it in Employer table.

2. Implementing the function of outSideCurrentHost. which always pulls the employer table data from non-Host PC.

3. Approving of Employer values to insert.