

FINAL PROJECT REPORT

CCDS-222 DATABASE II

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TEAM INFORMATION

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STEPS

- 1-Load the data we wish to use
- 2-Creating GUI using Java
- 3-Creating user information table
- 4-Creating login class
- 5-Creating HomePage class
- 6-Creating the main class
- 7-Interacting with SQL to make a connection
- 8-After completing the connection we coded the desired statement we wanted to use like "Searching" and "Inserting" Data



WHAT DID WE LEARN FROM THIS PROJECT?

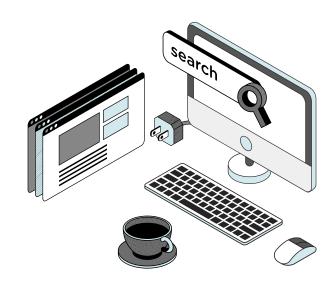
First, we learned how to make connections between SQL and any programming language
Second, how to use GUI appropriately
Third, how to write searching records code

OBSTACLES FACED DURING THE PROJECT:

The first problem we faced was a connection issue between MySQL and Java, which was eventually resolved after many attempts and searches.

The second challenge we faced was the operation of the 'search' and 'insert' codes as we solved this by searching and trying in the code and organizing the logic of the code sequence.

Third, team members had a hard time collaborating on a single device. Therefore, we met in a cafe to finish the work together on a single laptop instead of working online on several devices, which helped us to standardize and smooth out the work.



RESOURCES THAT USED DURING THE IMPLEMENTATION

- <u>Database management system:</u> MySQL for creating and accessing the database
- Integrated development environment:
 NetBeans for creating the GUI (login and home page)
- Other resources used for the search operation:

https://www.csharpcorner.com/UploadFile/fd0 172/search-records-from-database-usingswing-gui-in-java/

TEAM RULES

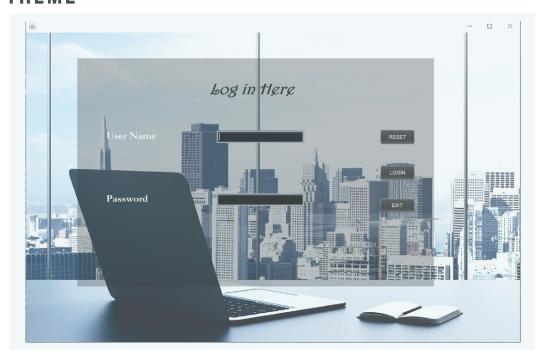
- Refan: Programming supervision
- Alaa : SQL + report
- Alanoud : gathered resources + report
- Raneem : Search + report
- Atheer: Search + report

OUTLINES

LOGIN CODE

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LOGIN THEME



OUTLINES

INSERT BUTTON

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EXIT BUTTON-RESET BUTTON-SHOW DATA BUTTON

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                         Start Page × B DB2PROJECT java × B Home Java × B Login java ×
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                                private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
                                        this.setvisible(false);
Login lg - new Login();
lg.setvisible(true);
                                private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
                                private woid jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
                                    } catch (<u>GlassNotFoundException</u> ex) {
    Logger.getLogger(Nome.class.getName()).log(Level.GEVERE, null, ex);
    catch (SQLAxception ex) {
    Logger.getLogger(Nome.class.getName()).log(Level.GEVERE, null, ex);
}
                               private void jButton6ActionPerformed(java.awt.event.ActionEvent <u>evt</u>)
                     db2project Home
                       Output - DB2PROJECT (run) X
```

OUTLINES

SEARCH BUTTON

```
| Section | Sect
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HOME PAGE

