



LA-05 OOP

Bee in Love

A dating experience.



The Team



Luthfi Izza Pratama

2502034912
CDO



Gaizkia Adelina Atmaka

2501972493
CTO, COO



71% of the world is ready
for a committed
relationship after the
pandemic.



We offer...



Bee in Love



What we bring on the table

**To be a secure bridge for 18
year old (or older) to meet
and mingle with each other.
Using their data to calculate
their compatibility.**



The App

- Takes in data from the user, stores it into our database
- Uses an algorithm that checks for the RIGHT "friend" for you
- Easy to use
- Secure and Safe

Input Data

View Candidates

Match

Delete Data

Exit



Bee in Love

The menu consists of buttons that help our users navigate through the program.

To start things off, we prompt our user to fill out a questionnaire to describe themselves, which we will use to compare and calculate their compatibility scores with other users.

What is your name?

How old are you?

What is your current occupation?

What is your current hobby?

What is your favourite music genre?

What are you currently majoring in?

Which campus do you go to?

What is your gender?

INPUT DATA

NEXT PAGE

What gender are you interested in?

What age are you looking for?

What particular occupation are you looking for in a person?

What particular hobby are you looking for in a person?

What music genre would you like listening to together?

INPUT DATA

SUBMIT!

USER DATABASE

name	age	major	campus	occupation	hobby	favourite music
Adeline	19	CS	MIT	Programmer	Watching	RnB
Luthfi	19	CS	BINUS	Actuary	Reading	Jazz
James	20	Law	Harvard	Lawyer	Singing	Classic
Lily	21	Premed	Penn	Doctor	Swimming	Pop
Kevin	20	Law	Oxford	Model	Swimming	Rock
Samuel	19	Accounting	Yale	Accountant	Reading	EDM
Chris	21	Premed	Stanford	Doctor	Singing	Classic
Angel	22	Cyber	UI	Singer	Watching	Pop
Tasya	19	Management	NYU	Analyst	Watching	Jazz
Kyle	22	Accounting	Harvard	Accountant	Reading	RnB

YOUR MATCH

name	age	major	campus	occupation	hobby	favourite music
Kevin	20	Premed	Harvard	Doctor	Swimming	RnB
Samuel	21	CS	MIT	Programmer	Watching	RnB
Chris	22	CS	BINUS	Actuary	Reading	Jazz
Matthew	20	Law	Harvard	Lawyer	Singing	Classic
Alex	19	Premed	Penn	Doctor	Swimming	Pop
Mark	20	Law	Oxford	Model	Swimming	Rock
Reyn	19	Accounting	Yale	Accountant	Reading	EDM
Jose	22	Premed	Stanford	Doctor	Singing	Classic
Davin	23	Cyber	UI	Singer	Watching	Pop
Bruce Lee	20	Management	NYU	Analyst	Watching	Jazz

```

public static double calculateCompatibilityScore(User user, User otherUser) {
    double compatibilityScore = 0;

    if (user.getName().equals(otherUser.getName())) {
        compatibilityScore++;
    }
    if (user.getAge() == otherUser.getAge()) {
        compatibilityScore++;
    }
    if (user.getOcc().equals(otherUser.getOcc())) {
        compatibilityScore++;
    }
    if (user.getHobby().equals(otherUser.getHobby())) {
        compatibilityScore++;
    }
    if (user.getMusic().equals(otherUser.getMusic())) {
        compatibilityScore++;
    }
    if (user.getCampus().equals(otherUser.getCampus())) {
        compatibilityScore++;
    }
    if (user.getMajor().equals(otherUser.getMajor())) {
        compatibilityScore++;
    }

    if (user instanceof maleUser && otherUser.getGendint().equals("female")) {
        compatibilityScore++;
    } else if (user instanceof femaleUser && otherUser.getGendint().equals("male")) {
        compatibilityScore++;
    }

    if (user.getLookingForMusic().contains(otherUser.getMusic())) {
        compatibilityScore++;
    }
    if (otherUser.getLookingForHobby().contains(user.getHobby())) {
        compatibilityScore++;
    }
    if (otherUser.getLookingForOcc().contains(user.getOcc())) {
        compatibilityScore++;
    }

    return compatibilityScore;
}

```

THE MAIN ALGORITHM

It scans through the data, checking their compatibility score together

```
for (User otherUser : dataList) {  
    double compatibilityScore = Util.calculateCompatibilityScore(dataList.get(index), otherUser);  
  
    if (compatibilityScore > bestCompatibilityScore) {  
        bestCompatibilityScore = compatibilityScore;  
        bestMatches.clear();  
    }  
  
    if (compatibilityScore == bestCompatibilityScore) {  
        bestMatches.add(otherUser);  
    }  
}
```

Meanwhile this loops through the list of user, looking for the one with the highest compatibility score from the person

We're sad to see you gone so soon...

please input your name

Delete data

In order to delete the user's data from our database, we prompt the user for their name, and use a loop to scan through the vector to properly wipe them off of our list.

A large, stylized blue graphic element resembling a thick, curved line or a stylized letter 'S' or 'Z'. It is composed of several thick, blue strokes that flow from the top left towards the bottom right, creating a sense of movement and depth. The lines are not perfectly straight, giving it a hand-drawn or organic feel.



SCAN ME

Thank you for your time!



Bee in Love