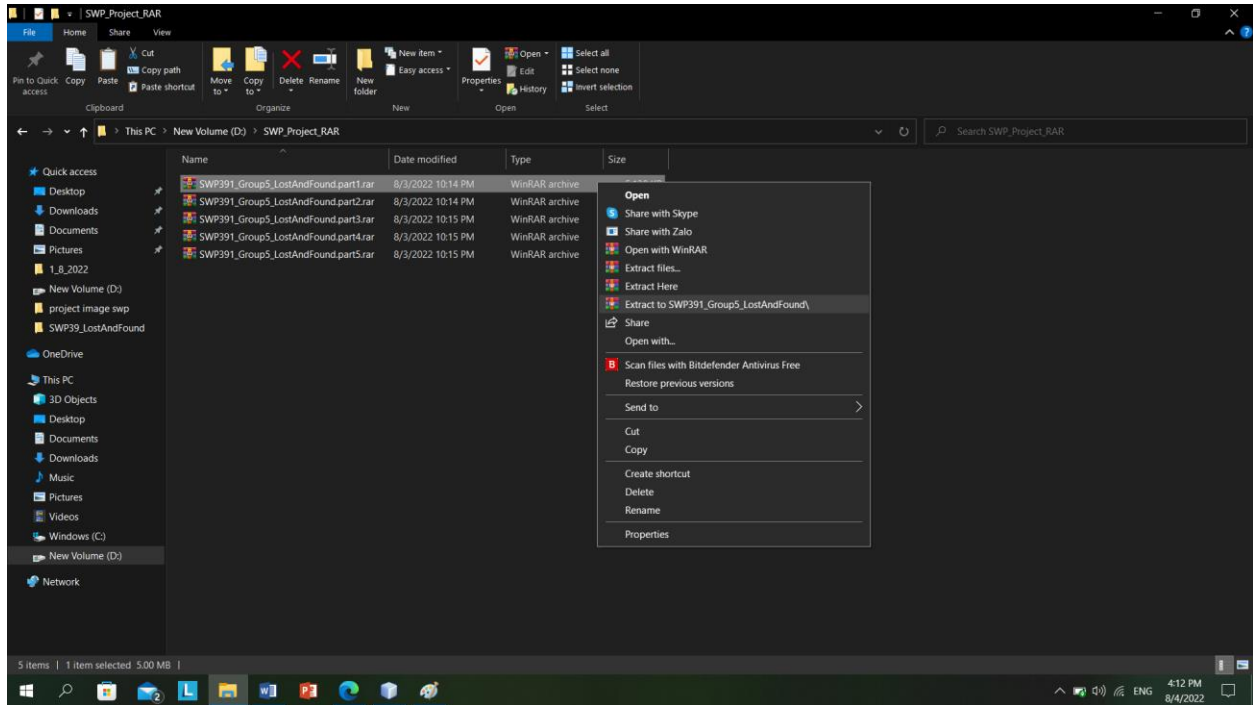


Guideline install and run project by Netbeans IDE

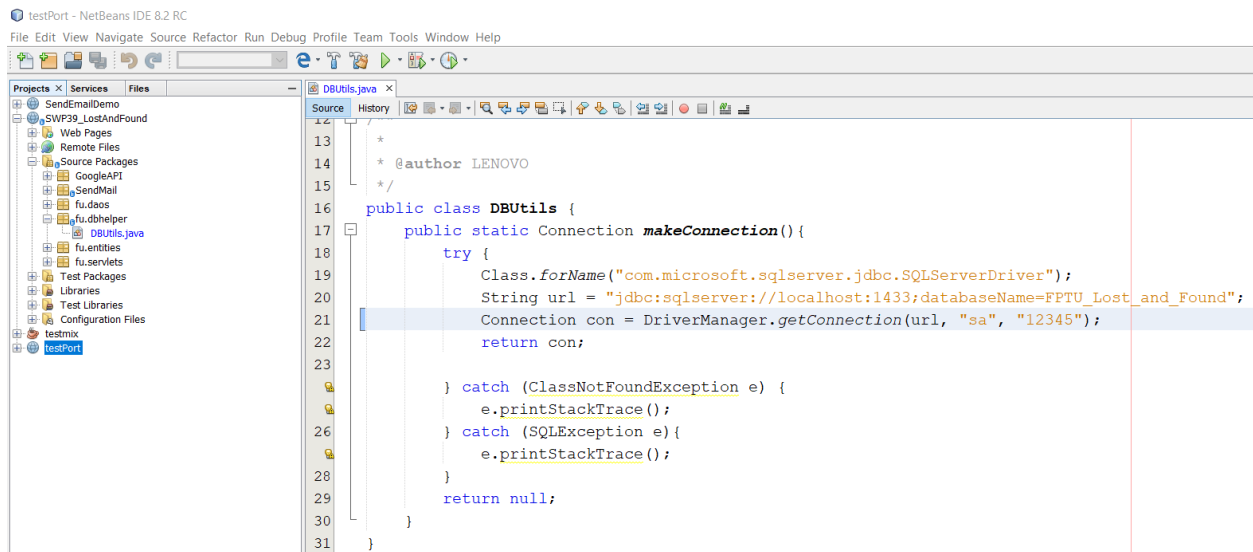
Step 1: Extract file

- Right click on **SWP391_Group5_Lost&Found_part1.rar** and choose **Extract to SWP391_Group5_Lost&Found**



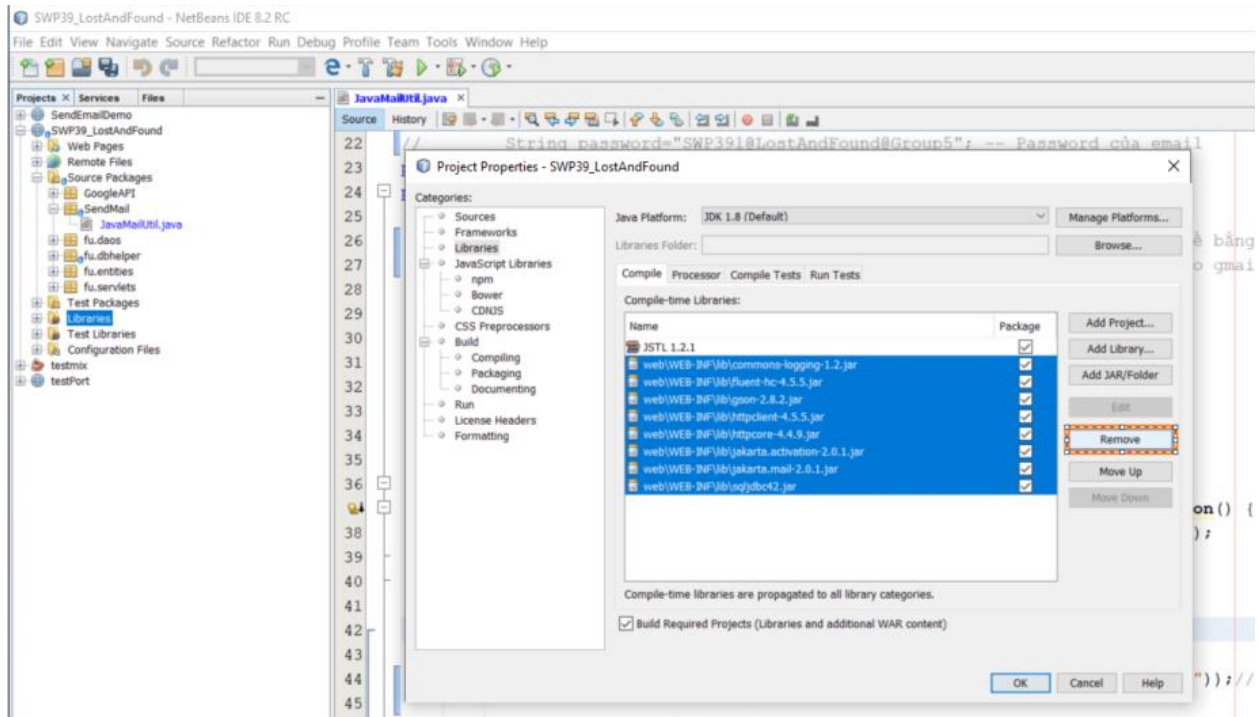
Step 2: Open project by Netbeans IDE 8.2 RC

- Change with your password in database

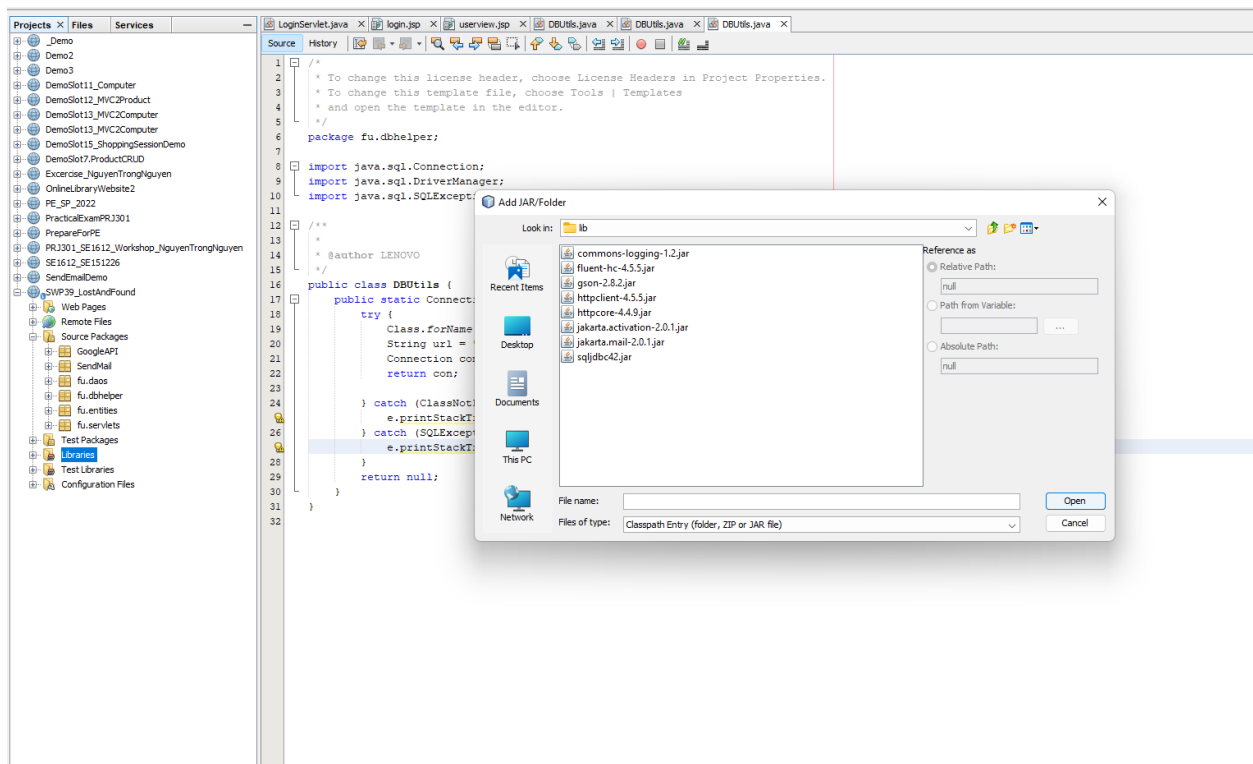
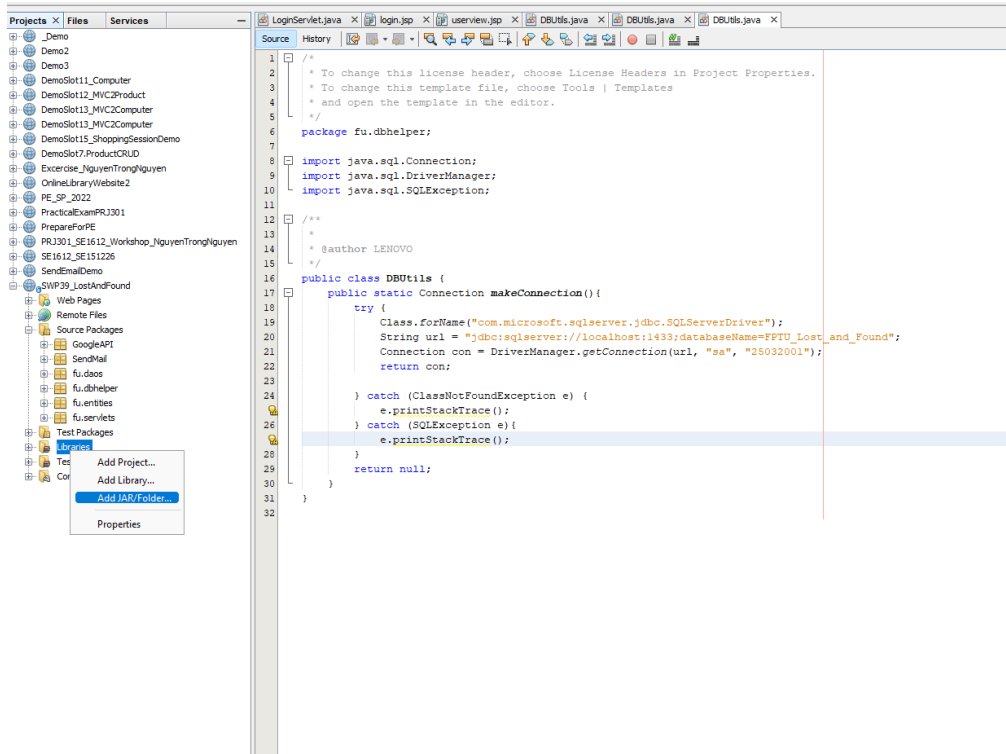


- Add libraries:

Right click on **Libraries** in project, choose **Properties** and **Remove** all libraries with alert error.



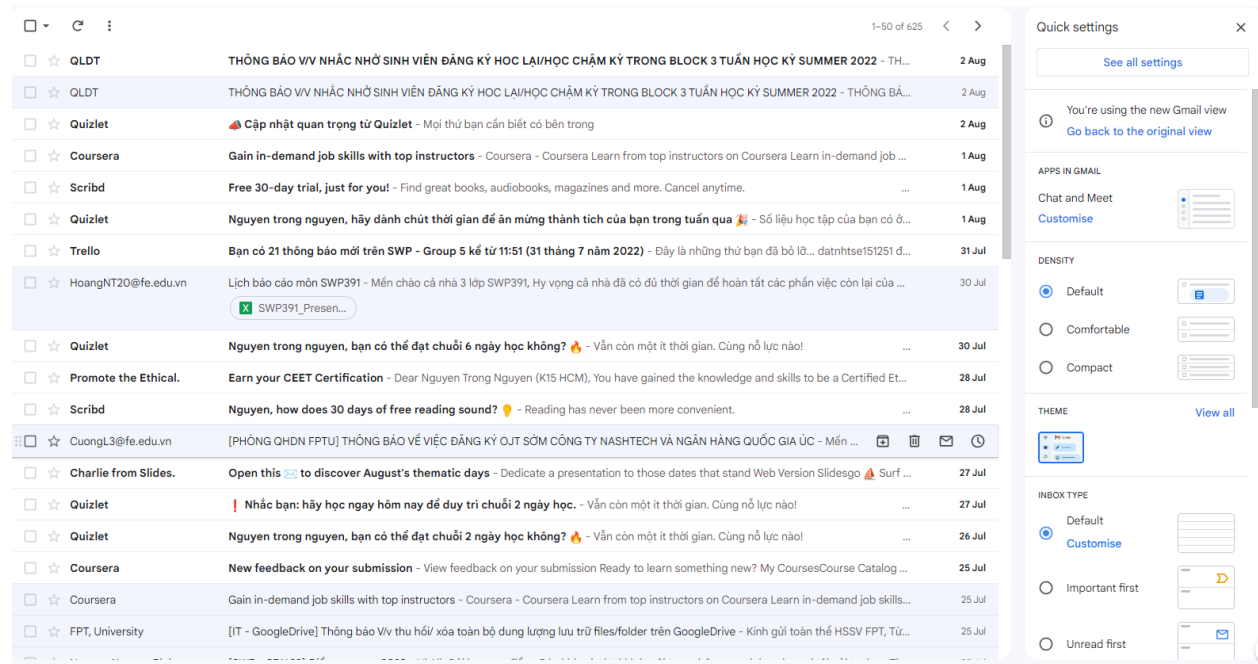
After remove all libraries with alert error then you right click on **Libraries** in project and choose **Add JAR/Folder...** then go to the place where you just extracted the project -> go to the **web** folder -> **WEB-INF** -> **lib**. Here you select all the libraries and then click open.



(*) The 14 steps below you can skip if you use the email already set up in the system to use the auto send mail function with the project's admin role.

Project comes with a pre-set email to use the auto-email function. In case if you want to use your own email to perform the auto send mail function, please follow these steps:

- Step 1: Open your Gmail and click see all settings



- Step 2: Click accounts and choose Google Account settings

Settings

General Labels Inbox **Accounts** Filters and blocked addresses Forwarding and POP/IMAP Add-ons Chat and Meet Advanced Offline Themes

Change account settings:

[Google Account settings](#)

Change your password and security options and access other Google services.

Send mail as:

(Use FPT University Mail to send from your other email addresses)

[Learn more](#)

(K15 HCM), Nguyen Trong Nguyen <nguyentse151227@fpt.edu.vn>

[Add another email address](#)

Check email from other accounts:

[Learn more](#)

[Add an email account](#)

Grant access to your account:

(Allow others to read and send mail on your behalf)

[Learn more](#)

[Add another account](#)

Mark as read

- ☒ Mark conversation as read when opened by others
☐ Leave conversation as unread when opened by others

Sender information

- ☒ Show this address and the person who sent it ('sent by ...')
☐ Show this address only (nguyentse151227@fpt.edu.vn)

Add additional storage:

Using 42.1 GB.

Need more space? [Purchase additional storage](#)

Using 42.1 GB

Programme Policies

Powered by Google

- Step 3: Click Security and choose 2- step verification

Home

Personal info

Data and privacy

Security

People and sharing

Payments and subscriptions

About

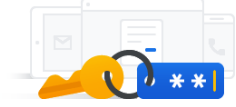
Protect your account

Recent security activity

| | | |
|--|------------------------------------|---|
| New sign-in on Apple iPhone 12 | 16 Jul - Ho Chi Minh City, Vietnam | > |
| Access to less secure apps was turned on | 12 Jul | > |
| New sign-in on Windows | 9 Jul - Ho Chi Minh City, Vietnam | > |

[Review security activity](#)

Signing in to Google



| | | |
|---------------------|-------------------------|---|
| Password | Last changed 2 Oct 2019 | > |
| 2-Step Verification | Off | > |

- Step 4: Click Get Started

← 2-Step Verification



Protect your account with 2-Step Verification

Prevent hackers from accessing your account with an additional layer of security. When you sign in, 2-Step Verification helps make sure that your personal information stays private, safe and secure.



Security made easy

In addition to your password, 2-Step Verification adds a quick, second step to verify that it's you.



Use 2-Step Verification for all your online accounts

2-Step Verification is a proven way to prevent widespread cyber-attacks. Turn it on wherever it's offered to protect all your online accounts.



Safer with Google

[GET STARTED](#)

- Step 5: Enter your password



Nguyen Trong Nguyen (K15 HCM)



nguyenntse151227@fpt.edu.vn ▾

To continue, first verify that it's you

Enter your password

.....|




Show password

[Forgot password?](#)

Next



- Step 6: Choose a verification method and click next

← 2-Step Verification



Almost there! Add a backup option

If you lose your phone or your second step is unavailable, you'll need a backup option to help you get in to your account.

  _____

Google will only use this number for account security.
Don't use a Google Voice number.
Message and data rates may apply.

How do you want to get codes?

☒ Text message ☐ Phone call

[USE ANOTHER BACKUP OPTION](#) [SEND](#)

- Step 7: Enter code send your phone

← 2-Step Verification



Confirm that it works

Google just sent a text message with a verification code to **0898 983 892**.

[Enter the code](#)

G-810678|

Didn't get it? [Resend](#)

[BACK](#)

[NEXT](#)

- Step 8: Click turn on

← 2-Step Verification



Turn on 2-Step Verification?

Second step: **Google prompt (default)**

Backup option: **Voice or text message**

You'll stay signed in to **nguyentse151227@fpt.edu.vn** on these devices: **iPhone của Trọng Nguyên** and **TN**.

You might be signed out of your other devices. To sign back in, you'll need your password and second step.

TURN ON

- Step 9: Now you can add password

Recent security activity

| | | |
|---|------------------------------------|---|
| Signing in with 2-Step Verification was turned on | 23:34 · Vietnam | > |
| New sign-in on Apple iPhone 12 | 16 Jul · Ho Chi Minh City, Vietnam | > |
| Access to less secure apps was turned on | 12 Jul | > |

[Review security activity \(4\)](#)

Signing in to Google



| | | |
|---------------------|--|---|
| Password | Last changed 2 Oct 2019 | > |
| 2-Step Verification | <input checked="" type="checkbox"/> On | > |
| App passwords | None | > |

- Step 10: Enter password again



Nguyen Trong Nguyen (K15 HCM)

 nguyennntse151227@fpt.edu.vn ▾

To continue, first verify that it's you

Enter your password

☐ Show password

[Forgot password?](#)

Next

English (United Kingdom) ▾

[Help](#)

[Privacy](#)

[Terms](#)

- Step 11: Click other and enter name you want

← App passwords

App passwords let you sign in to your Google Account from apps on devices that don't support 2-Step Verification. You'll only need to enter it once so you don't need to remember it. [Learn more](#)

You don't have any app passwords.

Select the app and device for which you want to generate the app password.

Select app

Mail

Calendar

Contacts

YouTube

Other (*Custom name*)

Select device



GENERATE

- Step 12: After enter name, click Generate

← App passwords

App passwords let you sign in to your Google Account from apps on devices that don't support 2-Step Verification. You'll only need to enter it once so you don't need to remember it. [Learn more](#)

You don't have any app passwords.

Select the app and device for which you want to generate the app password.

mailSender 

GENERATE

- Step 13: Copy 12-characters key word

← App passwords

App passwords let you sign in to your Google Account from apps on devices that don't support 2-Step Verification. You'll only need to enter it once so you don't need to remember it. [Learn more](#)

Generated app password

Your app password for your device

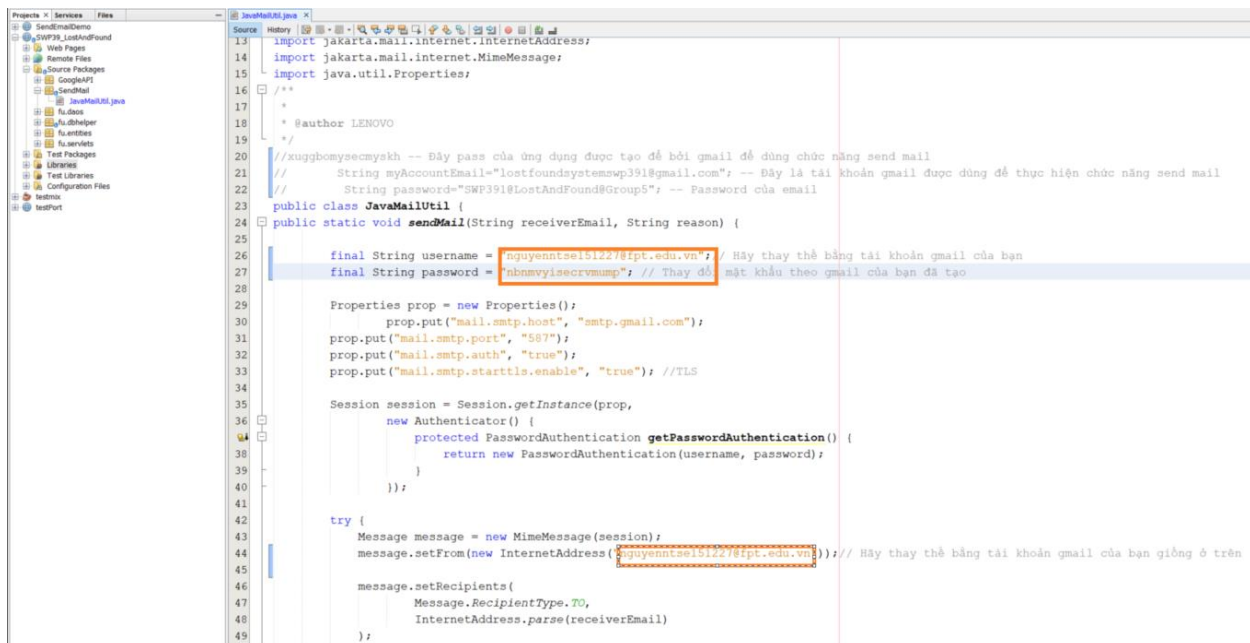
nbnm vyis ecrv mump

How to use it

Go to the settings for your Google Account in the application or device you are trying to set up. Replace your password with the 16-character password shown above. Just like your normal password, this app password grants complete access to your Google Account. You won't need to remember it, so don't write it down or share it with anyone.

DONE

- Step 14: Open netbean and update with your email:
Open package **SendMail** then open **JavaMailUtil.java** and change with your mail:



```
13 import jakarta.mail.internet.InternetAddress;
14 import jakarta.mail.internet.MimeMessage;
15 import java.util.Properties;
16
17 /**
18  * @author LENOV0
19  */
20 //xuggbomysecmyskh -- Đây pass của ứng dụng được tạo để bởi gmail để dùng chức năng send mail
21 // String myAccountEmail="lostfoundsystems391@gmail.com"; -- Đây là tài khoản gmail được dùng để thực hiện chức năng send mail
22 // String password="SWF391@LostAndFound@Group5"; -- Password của email
23
24 public class JavaMailUtil {
25     public static void sendMail(String receiverEmail, String reason) {
26
27         final String username = "nguyentse15122@ipt.edu.vn"; // Hãy thay thế bằng tài khoản gmail của bạn
28         final String password = "nbnmvyiseCRMump"; // Thay đổi mật khẩu theo gmail của bạn đã tạo
29
30         Properties prop = new Properties();
31         prop.put("mail.smtp.host", "smtp.gmail.com");
32         prop.put("mail.smtp.port", "587");
33         prop.put("mail.smtp.auth", "true");
34         prop.put("mail.smtp.starttls.enable", "true"); //TLS
35
36         Session session = Session.getInstance(prop,
37             new Authenticator() {
38                 protected PasswordAuthentication getPasswordAuthentication() {
39                     return new PasswordAuthentication(username, password);
40                 }
41             });
42
43         try {
44             Message message = new MimeMessage(session);
45             message.setFrom(new InternetAddress("nguyentse15122@ipt.edu.vn")); // Hãy thay thế bằng tài khoản gmail của bạn giống ở trên
46
47             message.setRecipients(
48                 Message.RecipientType.TO,
49                 InternetAddress.parse(receiverEmail)
50             );
51         }
52     }
53 }
```

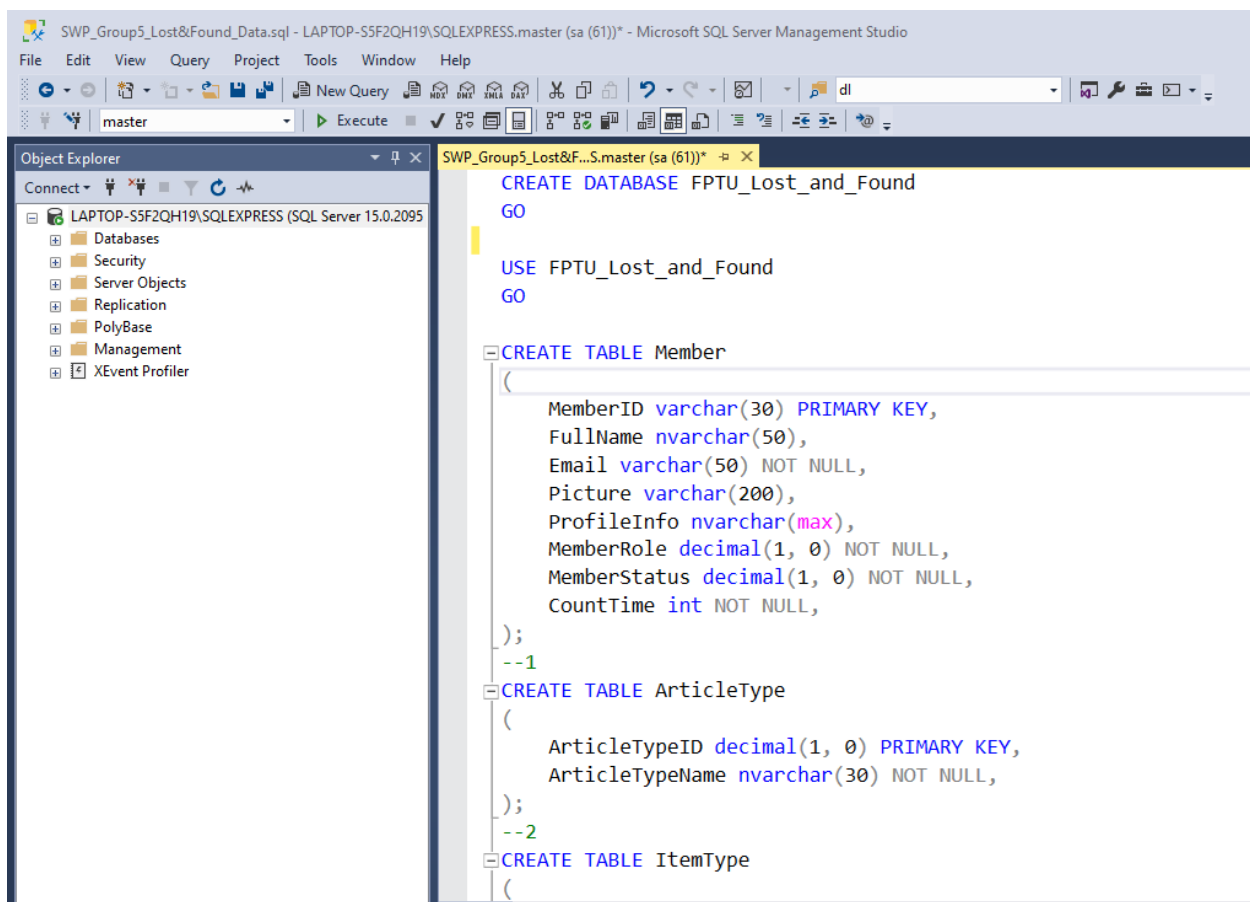
(*) If you don't want to change with your own email and use the existing email provided by the project, please skip the 14 steps above.

-----Continue with main steps to run project-----

(*) Run app:

(*) **Notice:** This project must be run with **port 8080** to use the function login by Google. Beside that, please change display setting of screen to **100%**.

- First, please run file **SWP_Group5_Lost&Found_Data.sql** on **Microsoft SQL Server Management Studio**



The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar indicates the file 'SWP_Group5_Lost&Found_Data.sql' is open on a local instance of SQL Server Express. The Object Explorer on the left shows the server structure. The main query window contains the following SQL script:

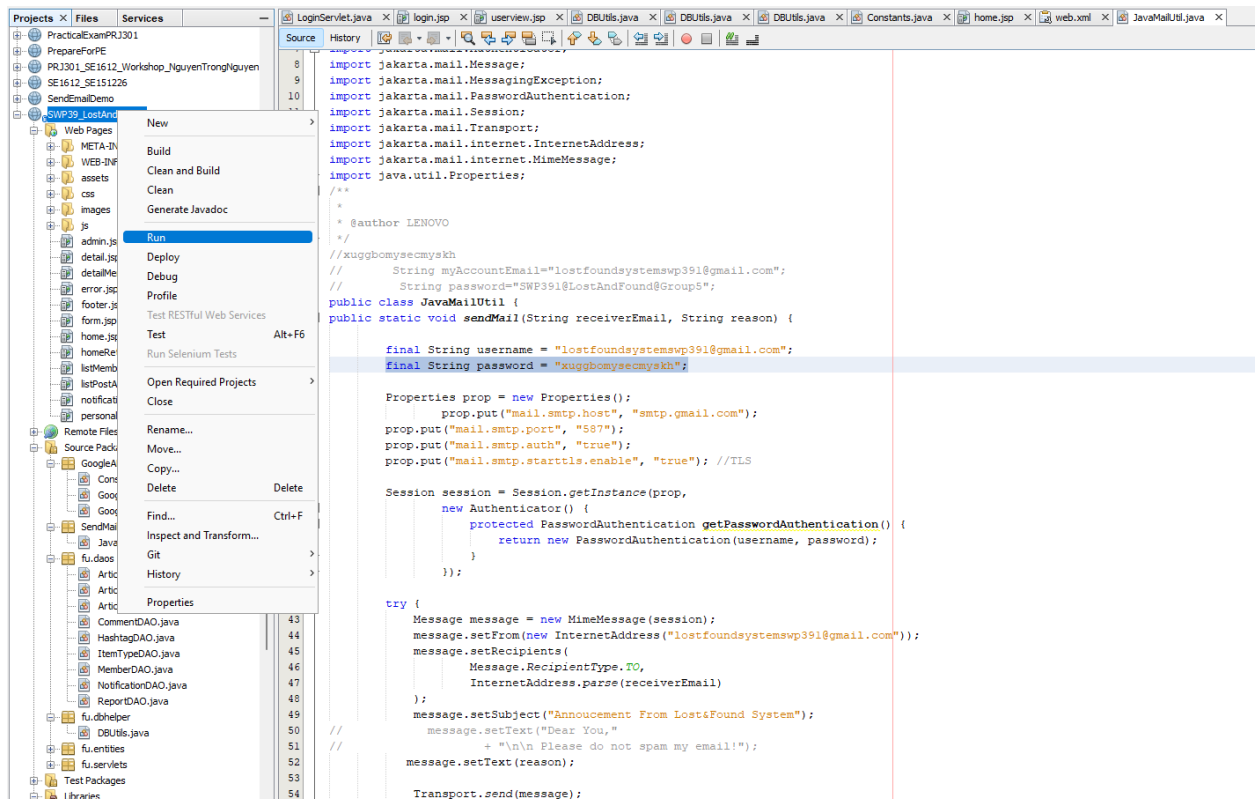
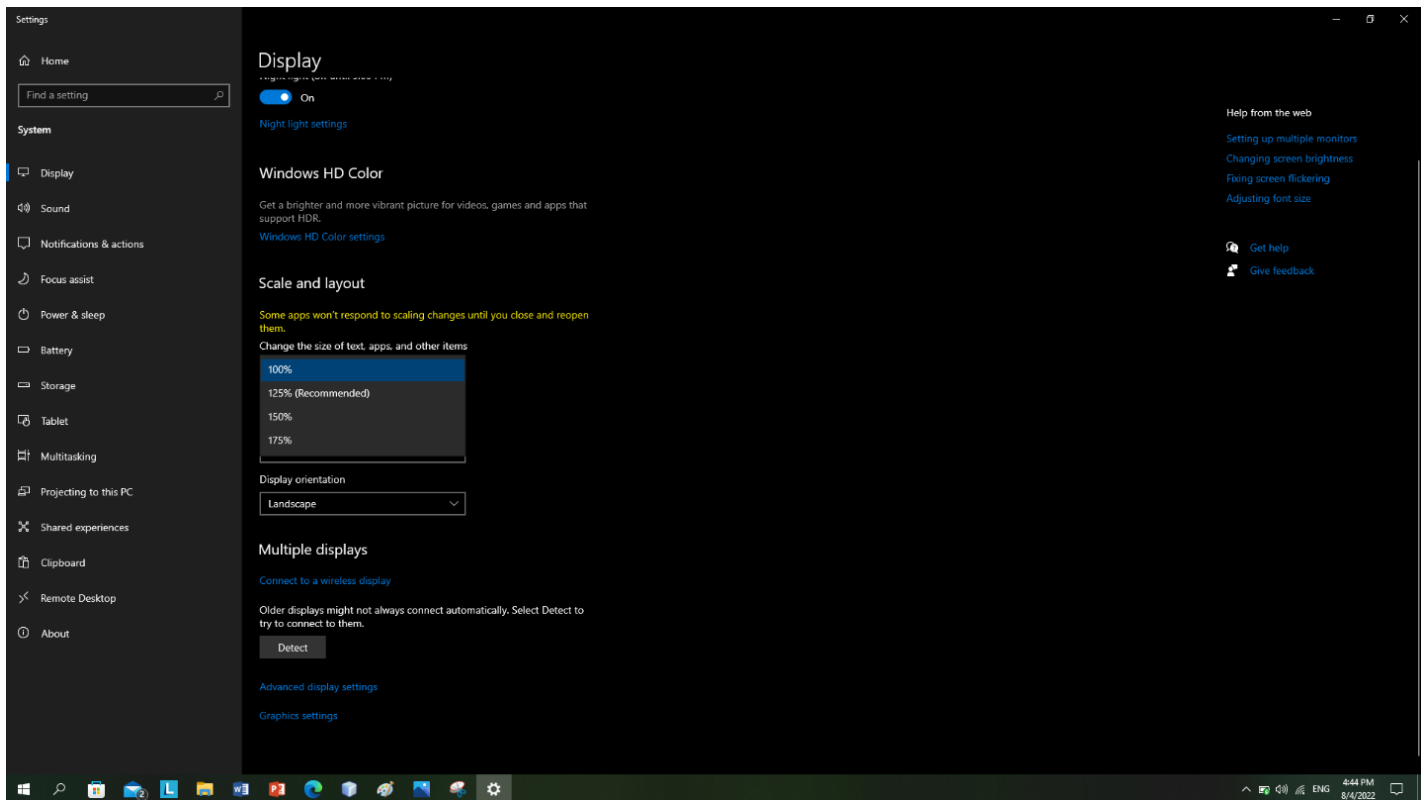
```
CREATE DATABASE FPTU_Lost_and_Found
GO

USE FPTU_Lost_and_Found
GO

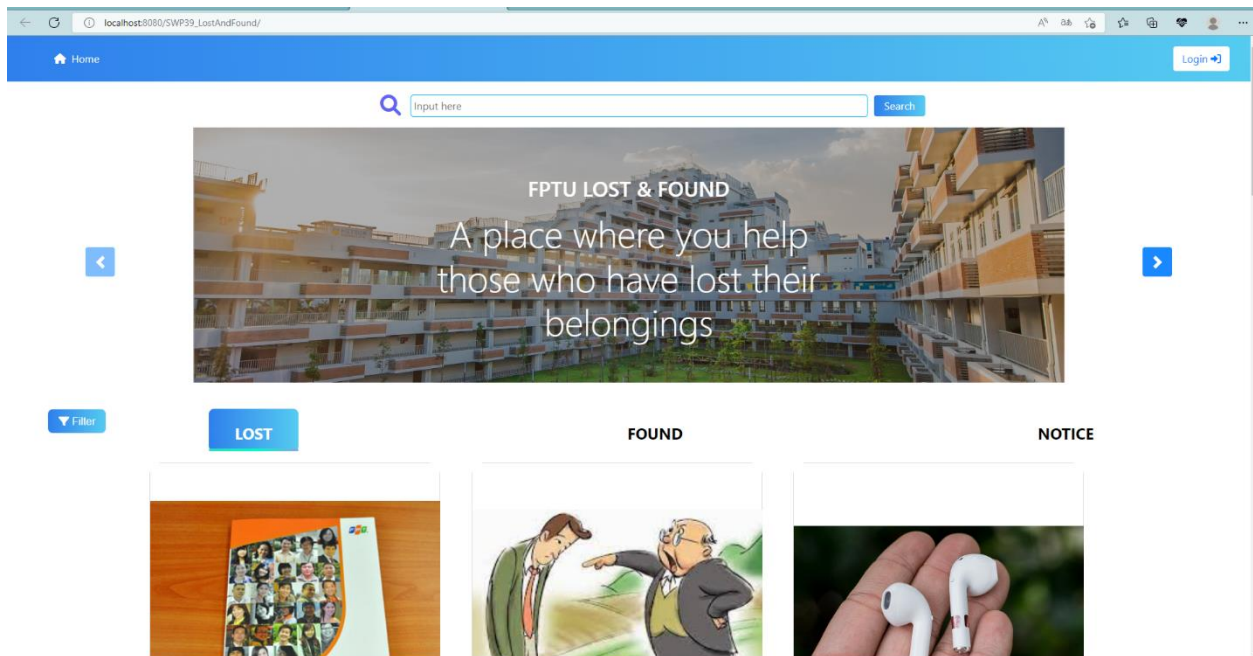
CREATE TABLE Member
(
    MemberID varchar(30) PRIMARY KEY,
    FullName nvarchar(50),
    Email varchar(50) NOT NULL,
    Picture varchar(200),
    ProfileInfo nvarchar(max),
    MemberRole decimal(1, 0) NOT NULL,
    MemberStatus decimal(1, 0) NOT NULL,
    CountTime int NOT NULL,
);
--1

CREATE TABLE ArticleType
(
    ArticleTypeID decimal(1, 0) PRIMARY KEY,
    ArticleTypeName nvarchar(30) NOT NULL,
);
--2

CREATE TABLE ItemType
(
```

Project after run and display on Browser:



-----END-----