

CS426

Spring 2016

SecurIcon README FILE

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Author(s): Nilay Altun, Idil Sukas, Okan Gul

e-mail(s): naltun1@binghamton.edu, isukas1@binghamton.edu, ogul1@binghamton.edu

PURPOSE:

Android App- Send an image as a password over wireless connection for giving authentication to user by using this image password.

Desktop App- Provides sign-up, log-in to its users. Compares password to check whether it is correct or not.

PERCENT COMPLETE:

Android App- %100

Desktop App- %100

BUGS:

No bugs

FILES:

Android_src

Wireless.zip

SecureIcon.zip

README

dog.jpeg

TO RUN:

Android App

1. Change the default IP address to new IP address which is the one Desktop App runs.
2. Plug-in an android phone.
3. Click run.
4. Select photo from library which is the one that you used for sign-up.
5. Click Upload image button.
6. It will appear on Desktop App in password text as stars.

Desktop App-

1. Desktop App

Please follow these steps to change file directories

- Go to “ *jButton1ActionPerformed*” function in Frame.java change just following paths to your directory
 - “*File image = new File("/Users/sukasidil/NetBeansProjects/images/image2.jpg");*”
 - “*String file1 = "/Users/sukasidil/NetBeansProjects/images/image.jpg";*”
 - “*String file2 = "/Users/sukasidil/NetBeansProjects/images/image2.jpg";*”
- Go to “*jMenuItem3ActionPerformed*” function in Frame.java change just following paths to your current directory
 - “*FileOutputStream fos = new FileOutputStream("/Users/sukasidil/NetBeansProjects/images/image.jpg");*”

After changing the paths.

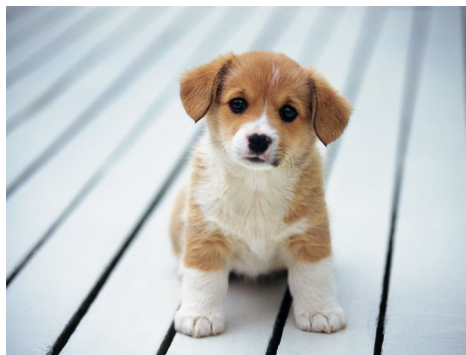
1.1. Sign up for new user

Choose a username if it is not unique program will give you a “try again” page. Choose a password. Click the password text area, it will automatically open file browser. Choose a photo as a password (It should be the exactly **SAME** photo with the one in android app). **If you send it via text message to your android phone the quality of photo will change and will not work!**

1.2. Try existing one which the database already have the information

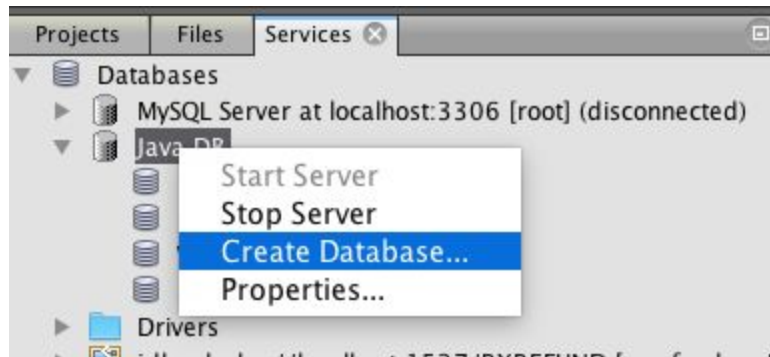
username: isukas1

password: (choose from your android phone) which should be; (it is in zip folder)



2. Database: Please follow these steps if you want to create a new local database in the other computer’s “Netbeans IDE”.

- Open Netbeans and click to “Services” window
- Right click to Java DB, and click to create database link



- Enter a valid database url, username and password
 - Database name: “Wireless”
 - Database username: “wifi”
 - Database password: “wifi”

 A screenshot of the 'Create Java DB Database' dialog box. It contains the following fields:

- Database Name: Wireless
- User Name: wifi
- Password: (masked with four dots)
- Confirm Password: (masked with four dots)
- Database Location: /Users/sukasidil/.netbeans-derby
- A 'Properties...' button is located at the bottom right.

- To copy our database files, go to “.netbeans-derby” file and open “Wireless” file you created
- Delete all existing files and paste our database file to “Wireless” file
- Go to “Frame.java” file in “secureicon” package, and copy new database url

```
public class Frame extends javax.swing.JFrame {

    Connection con;
    String url ="jdbc:derby://localhost:1527/";
    String dbName = "Wireless";
    String driver = "org.apache.derby.jdbc.ClientDriver";
    String userName = "wifi";
    String password = "wifi";
```