

Image Encryption Using Different Algorithms

Review - 3

Software Engineering(CSE 3001)

Submitted to:-
Prof. Ramanathan L.



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Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Slot- L41+42

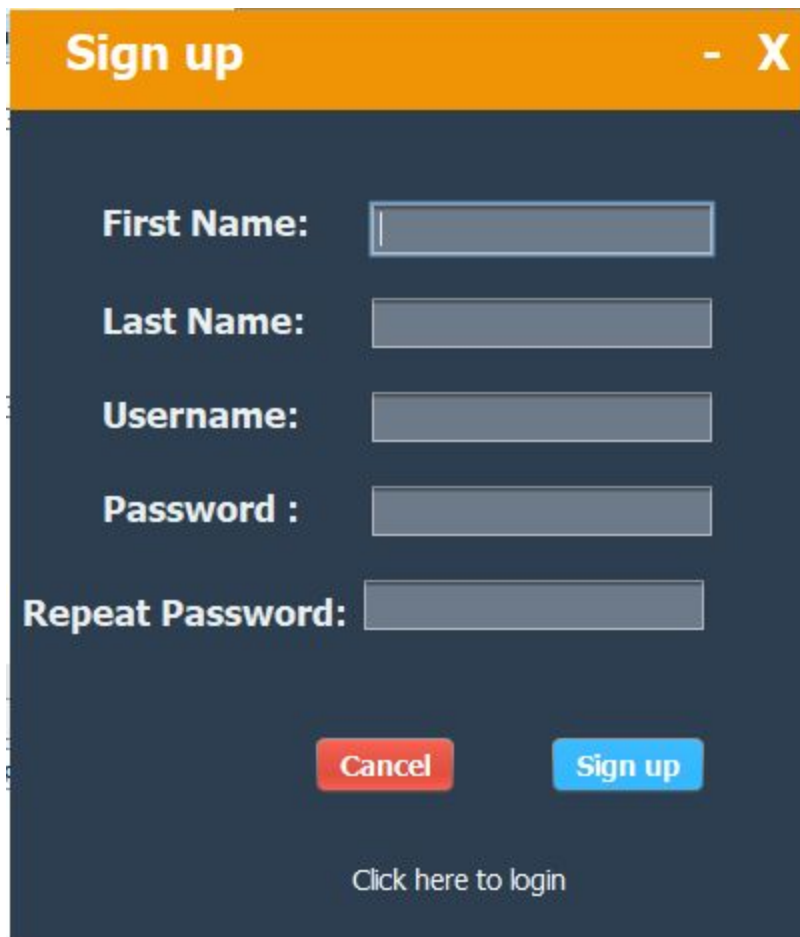
Prabhu Biswas 17BCE2269

Mitarth Jain 17BCE0765

Aditya Kumar Mishra 17BCE0687

Apurv Aditya 17BCE2302

Sample Screenshot:-



Sign up - X

First Name:

Last Name:

Username:

Password :

Repeat Password:

[Click here to login](#)

[Cancel](#) [Sign up](#)

Login

- X

Username:

Password :

Cancel

Login

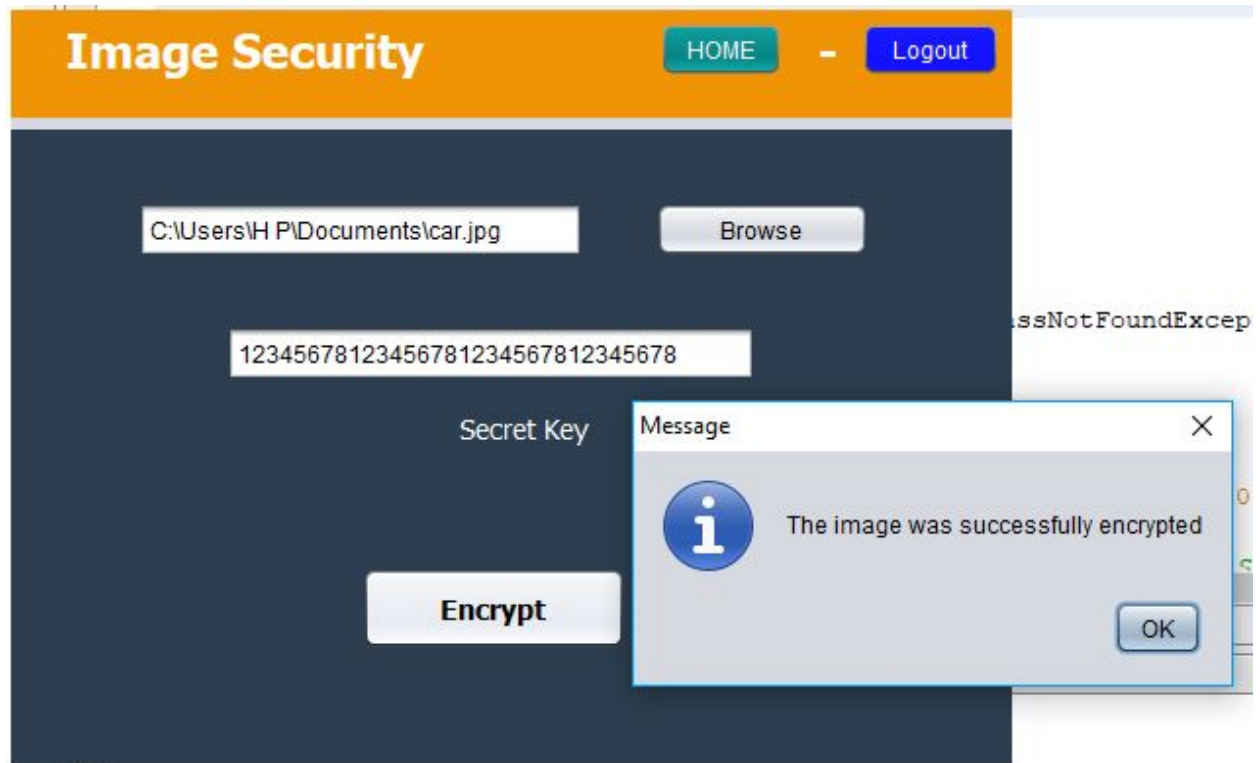
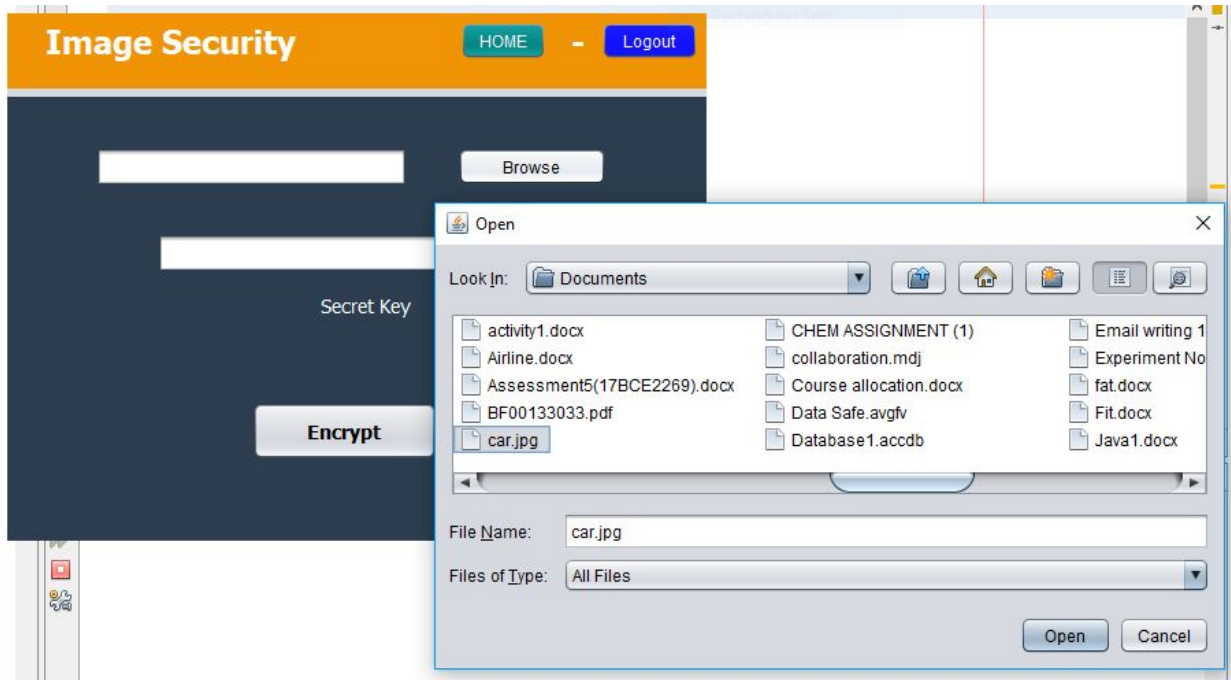
Click here to create a new account

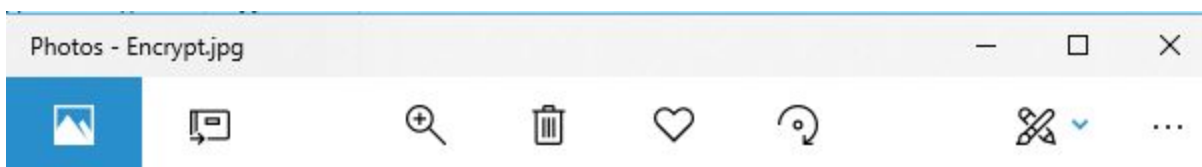
Image Security

- Logout

Encrypt

Decrypt





Encrypt.jpg
It appears that we don't support this file format.

Image Security

[HOME](#)[Logout](#)

Secret Key

Message

×



Click OK to preview the image.

ClassNotFoundException

Photos - Decrypt.jpg



Sample Code: -

Encrypt.java

```
MyConnection.java x RegisterForm.java x Decrypt.java x Encrypt.java x LoginForm.java x SQL 1 x SQL 2 x SQL 3 x
Source Design History
239     rgf.setVisible(true);
240     rgf.pack();
241     rgf.setLocationRelativeTo(null);
242     rgf.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
243     this.dispose();
244 }
245
246 private void jButton_chooseActionPerformed(java.awt.event.ActionEvent evt) {
247     JFileChooser chooser = new JFileChooser();
248     chooser.showOpenDialog(null);
249     File f= chooser.getSelectedFile();
250     File_path.setText(f.getAbsolutePath());
251 }
252
253
254 private void jButton_EncryptActionPerformed(java.awt.event.ActionEvent evt) {
255     try {
256         FileInputStream file= new FileInputStream(File_path.getText());
257         FileOutputStream outStream = new FileOutputStream("D:\\download\\Encrypt.jpg");
258         String str= jTextField_key.getText();
259         byte k[]= str.getBytes();
260         SecretKeySpec key= new SecretKeySpec(k, "AES");
261         Cipher enc = Cipher.getInstance("AES");
262         enc.init(Cipher.ENCRYPT_MODE, key);
263         CipherOutputStream cos= new CipherOutputStream(outStream, enc);
264         byte[] buf= new byte[1024];
265         int read;
266         while((read=file.read(buf))!=-1){
267             cos.write(buf,0,read);
268         }
269         file.close();
270         outStream.flush();
271         cos.close();
272         JOptionPane.showMessageDialog(null, "The image was successfully encrypted");
273
274     } catch (FileNotFoundException ex) {
275         Logger.getLogger(Encrypt.class.getName()).log(Level.SEVERE, null, ex);
276     } catch (Throwable exception2) {
277         {
278             exception2.printStackTrace();
279         }
280     }
281 }
282
283 private void jButton_EncryptActionPerformed(java.awt.event.ActionEvent evt) {
```


Decrypt.java

```
MyConnection.java x RegisterForm.java x Decrypt.java x Encrypt.java x LoginForm.java x SQL 1 x SQL 2 x SQL 3 x
Source Design History
226 }
227
228 private void jButton_LoginActionPerformed(java.awt.event.ActionEvent evt) {
229     LoginForm rgf= new LoginForm();
230     rgf.setVisible(true);
231     rgf.pack();
232     rgf.setLocationRelativeTo(null);
233     rgf.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
234     this.dispose();
235 }
236
237 private void jButton_DecryptActionPerformed(java.awt.event.ActionEvent evt) {
238     try {
239         FileInputStream file= new FileInputStream(File_path.getText());
240         FileOutputStream outStream = new FileOutputStream("D:\\download\\Decrypt.jpg");
241         String str= jTextField_key.getText();
242         byte k[]= str.getBytes();
243         SecretKeySpec key= new SecretKeySpec(k, "AES");
244         Cipher enc = Cipher.getInstance("AES");
245         enc.init(Cipher.DECRYPT_MODE, key);
246         CipherOutputStream cos= new CipherOutputStream(outStream, enc);
247         byte[] buf= new byte[1024];
248         int read;
249         while ((read=file.read(buf))!=-1){
250             cos.write(buf,0,read);
251         }
252         file.close();
253         outStream.flush();
254         cos.close();
255         JOptionPane.showMessageDialog(null, "Click OK to preview the image.");
256         Runtime.getRuntime().exec("rundll32 url.dll, FileProtocolHandler "+ "D:\\download\\Decrypt.jpg");
257     } catch (FileNotFoundException ex) {
258         Logger.getLogger(Encrypt.class.getName()).log(Level.SEVERE, null, ex);
259     } catch (Throwable exception2)
260     {
261         exception2.printStackTrace();
262     }
263 }
264 }
```