Indian Coast Guard Visitor Pass

Product Details:

In the point of view of *safety & security concerns visitor pass is issued to Indian Coast Guard visitors* and maintain their records in the database.

Gate Pass in Printable format

Finger Print Enrollment

Online Photo Capture – Webcam

Printed Pass – TVS RP 45 Printer

Embedded with JAVA Application:

Technology Used: Core Java (Swings)

➢ Pluggable look-and feels

➢ Lightweight components

- Do not depend on native peers to render themselves.
- Simplified graphics to paint on screen
- Similar behavior across all platforms
- Portable look and feel
- Only a few top level containers not lightweight.

➢ New components -- tress tables, sliders progress bars, frames, text components.

➢ *Tooltips* -- textual popup to give additional help

➢ arbitrary keyboard event binding

Hardware: Webcam, Fingerprint Scanner, Printer

Typical Applications:

Security Systems
Gate Pass for All Organization
Industrial Automation
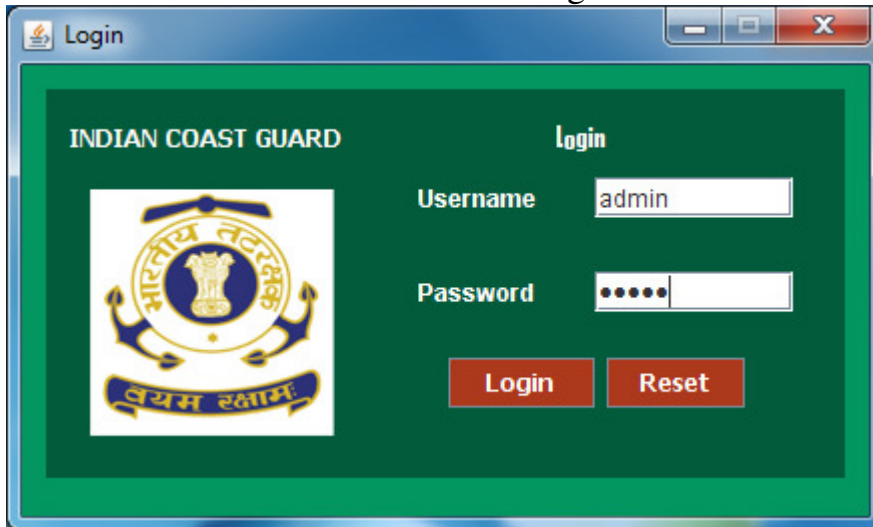Toll Gate
Attendance System

Description:

Indian Coast Guard Visitor Pass is a Desktop Application which is used to issue the visitor pass to the persons those who came to the Indian Coast Guard Office. In order to maintain security and also to maintain the records of the persons those who came to the office each and every day this project is implemented. The visitor pass is distinguished into three different types.

They are

- ➢ Entry Pass   – One Day

- ➢ Monthly Pass – One Month

- ➢ Family Pass   – Unlimited

Screen Shots:

Login Screen

Main Requirement Frame

Visitor Pass

One Day Pass Form

Finger Print Enrollment For One Day Pass

Fingerprint Enrollment

Prompt:
Using the fingerprint reader, scan your fingerprint.

Status:
The fingerprint reader was disconnected.

Fingerprint samples needed: 4

Close
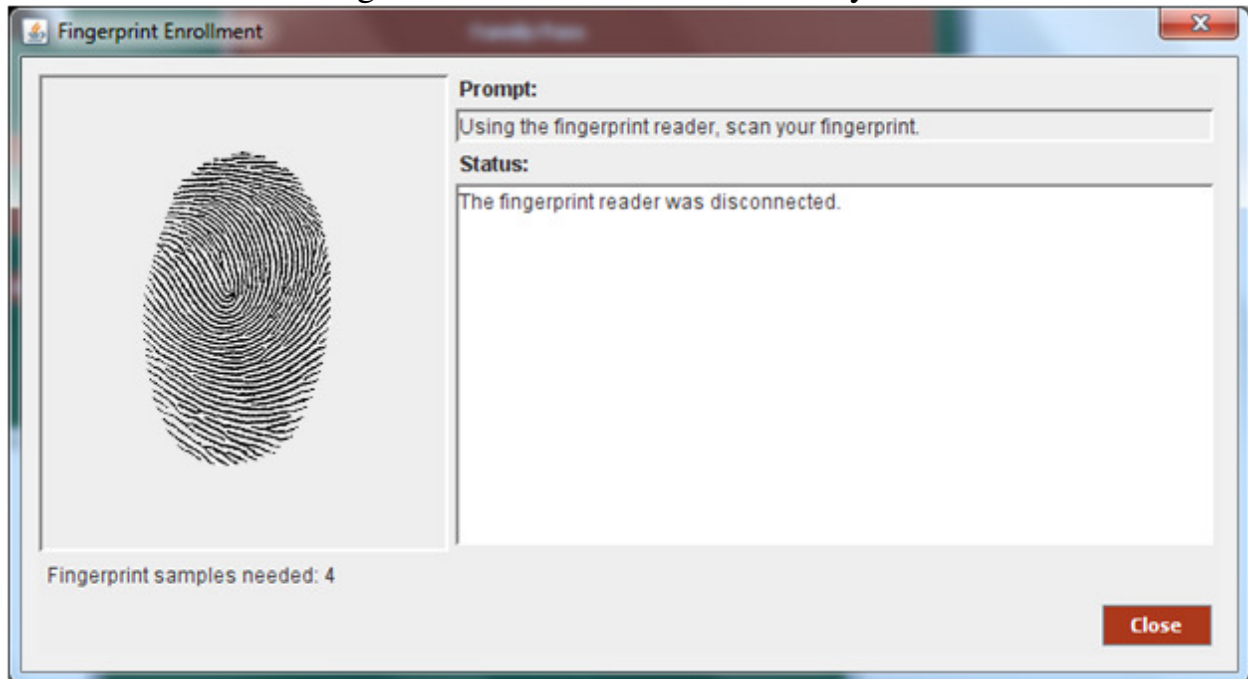
Print Out Of One Day Pass

INDIAN COAST GUARD
Headquarters, Coast Guard District,
No:5, Fort St. Geroge,
Chennai - 600 009

VISITOR PASS

Visitors Name : Mr.Kirubakaran

Company   : Mirror Technologies Pvt Ltd

Person to meet : Mr.Velmurugan

Valid from   : 09.10.2012 to 09.11.2012

Contact No   : 3265648897

Authorized Signature

Monthly Pass Form

Finger Print Enrollment For Monthly Pass

Print Out Of Monthly Pass

INDIAN COAST GUARD
Headquarters, Coast Guard District,
No:5, Fort St. Geroge,
Chennai - 600 009

MONTHLY PASS

Visitors Name : Mr.Kirubakaran

Company : Mirror Technologies Pvt Ltd

Person to meet : Mr.Velmurugan

Valid from : 09.10.2012 to 09.11.2012

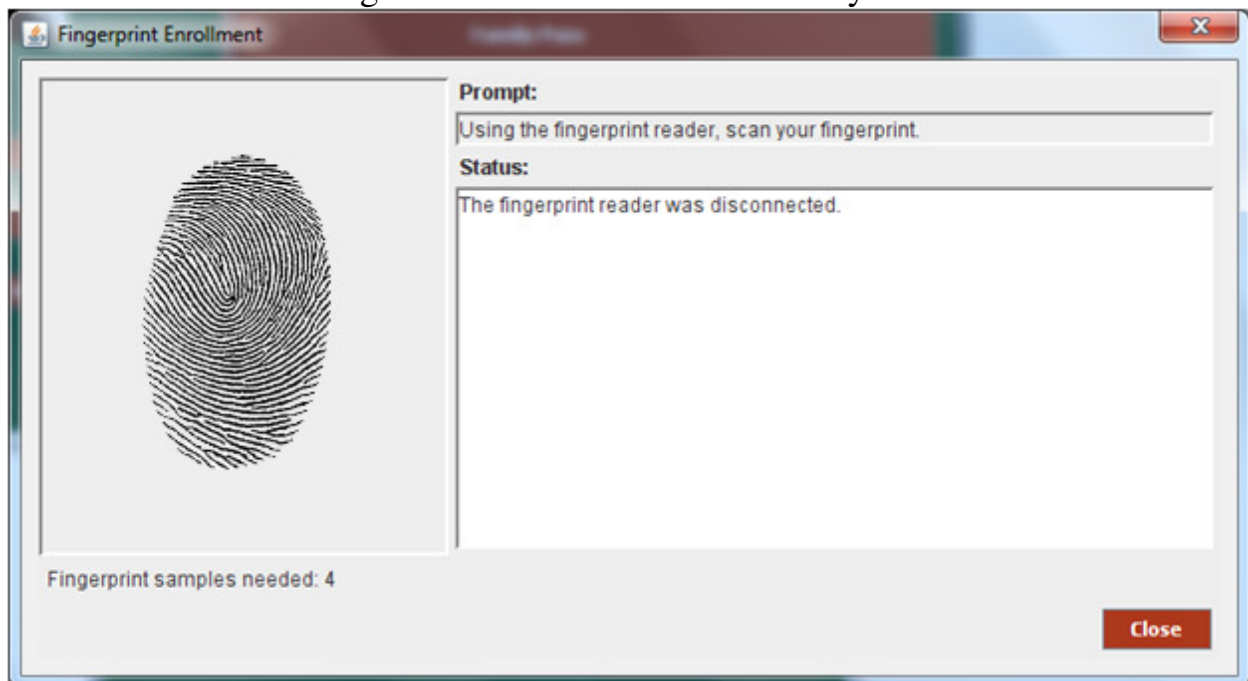Contact No : 3265648897

Authorized Signature

Family Pass Form

Family Pass

Visitor Name : kiruba

Company : rrorTechnologies

Person to meet : Renuka

Valid From : 08-10-2012

Valid till : 08-10-2012

Contact No : 9043963074

Load Photo

Take Picture

Browse Picture

Print   Enrollment

Finger Print Enrollment For Family Pass

Fingerprint Enrollment

Prompt:

Using the fingerprint reader, scan your fingerprint.

Status:

The fingerprint reader was disconnected.

Fingerprint samples needed: 4

Close

Print Out Of Family Pass

INDIAN COAST GUARD
Headquarters, Coast Guard District,
No:5, Fort St. Geroge,
Chennai - 600 009

FAMILY PASS

Visitors Name : Mr.Kirubakaran

Company   : Mirror Technologies Pvt Ltd

Person to meet : Mr.Velmurugan

Valid from   : 09.10.2012 to 09.11.2012

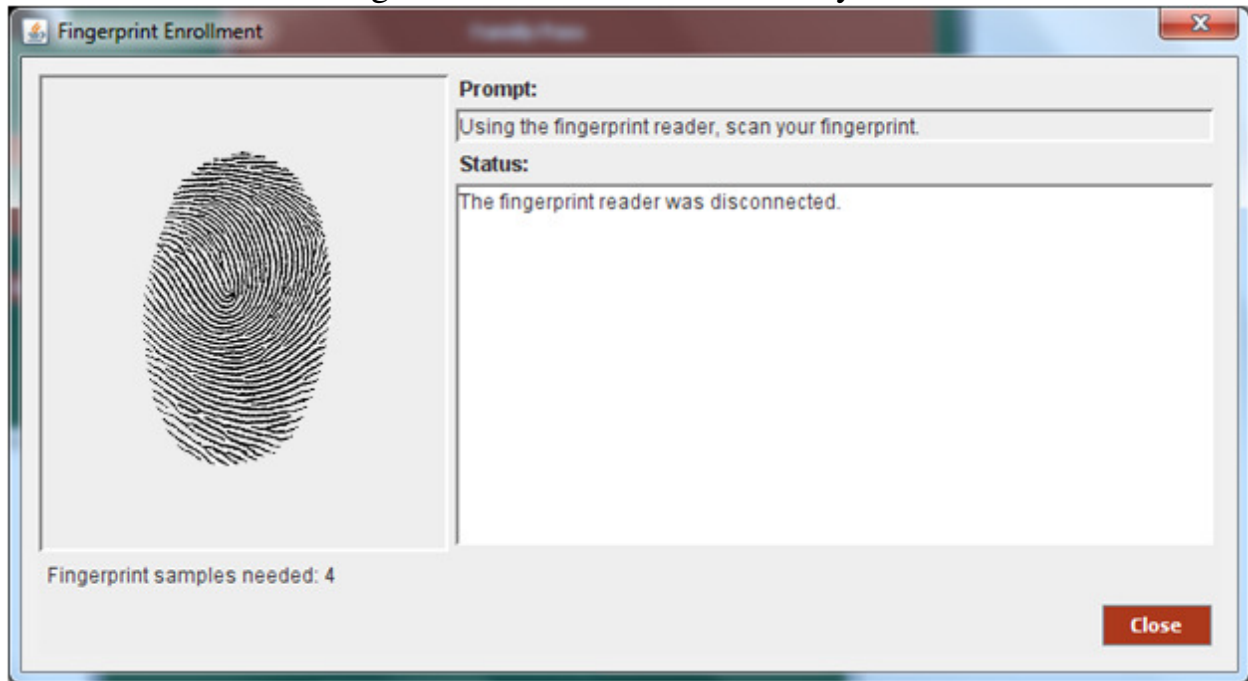Contact No   : 3265648897

Authorized Signature

Report Generation

Generated Report In Excel

Customized Form Setting

Visitor Passtemplate

Label	Field	Number
Visitor Name	Visitor Name	1
Company	Company	2
Person to meet	Person to meet	3
Valid From	Valid From	4
Valid till	Valid till	5
Contact No	Contact No	6

Add New Label   **Save**

Adding Form Elements

Add New Label

Indian Coast Guard
District Head Quarter No:5
Fort st,George
Chennai-600 009

Enter Lable Name   country

Add

Added Element In Form

Visitor Passtemplate

Label	Field	Number
Visitor Name	Visitor Name	1
Company	Company	2
Person to meet	Person to meet	3
Valid From	Valid From	4
Valid till	Valid till	5
Contact No	Contact No	6
State	State	7
country	country	8

Add New Label   **Save**

Delete Element In Form

Visitor Passtemplate

Label	Field	Number
Visitor Name	Visitor Name	1
Company	Company	2
Person to meet	Person to meet	3
Valid From	Valid From	4
Valid till	Valid till	5
Contact No	Contact No	6
State	State	7

Add New Label   **Save**

Verification Of Finger Print

Fingerprint Enrollment

Prompt:
Using the fingerprint reader, scan your fingerprint.

Status:
The fingerprint reader was disconnected.

Fingerprint samples needed: 4

Close

Admin Panel Login

Login

INDIAN COAST GUARD   **Login**

Username viva

Password •••••

Login   Reset
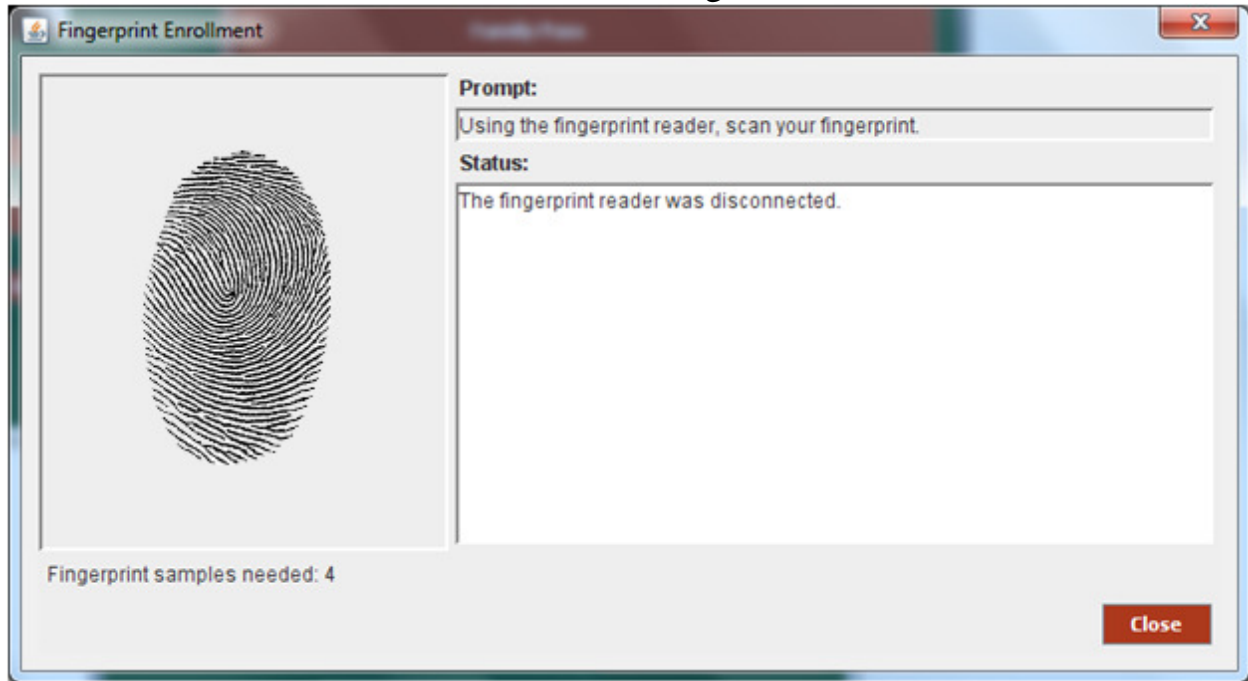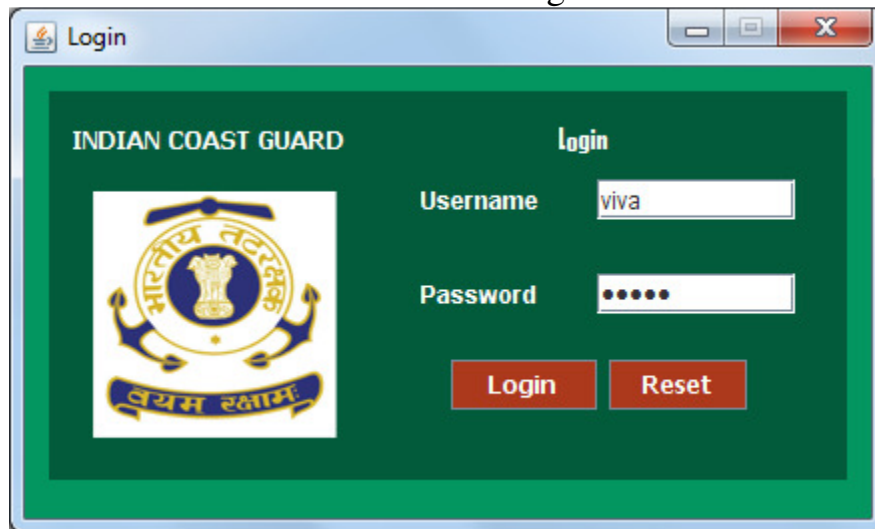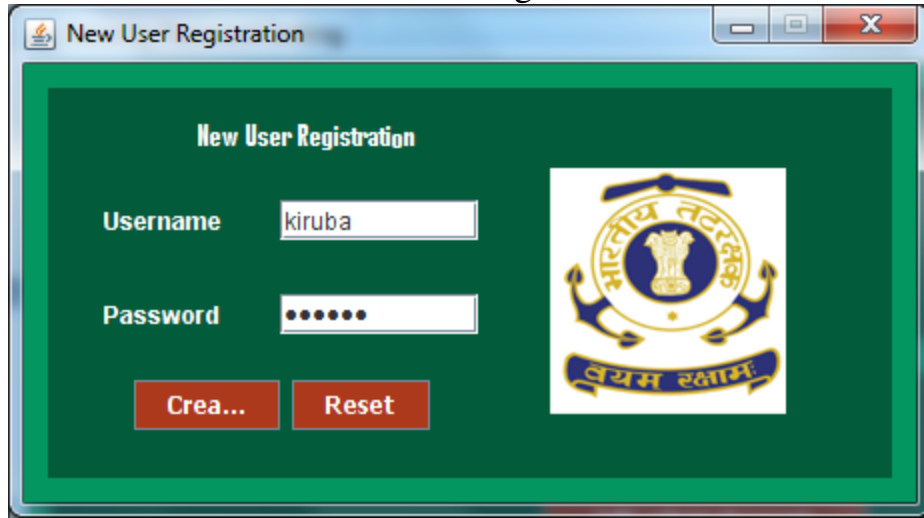
Security Settings

Security Setting Features Panel
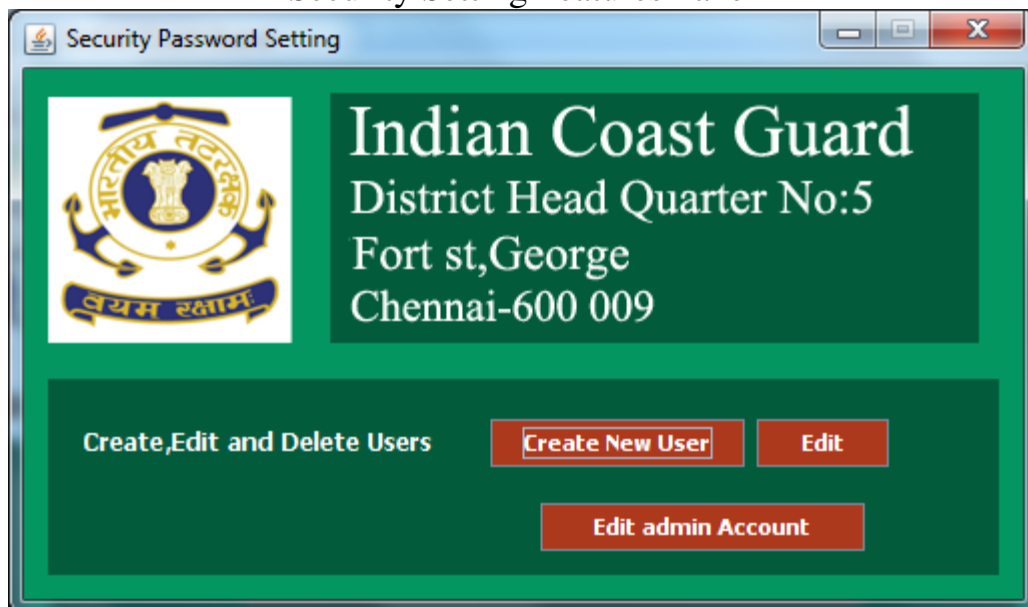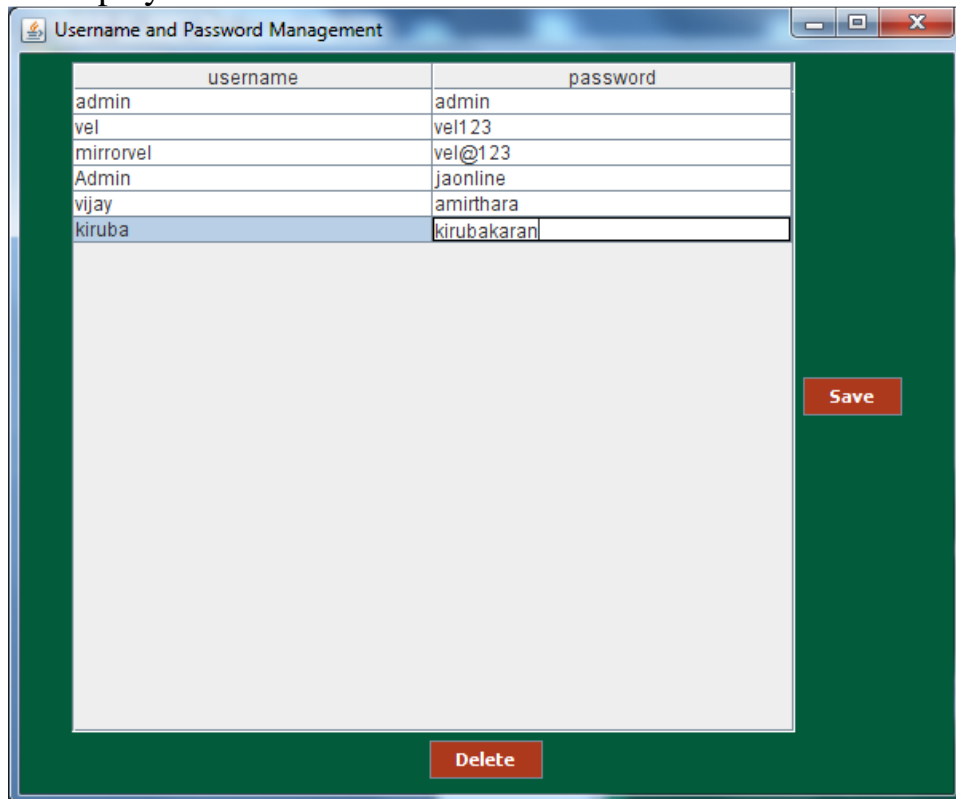
New Admin Registration

Display Username & Password Of Software Administrator

Display Username & Password Of Administrator
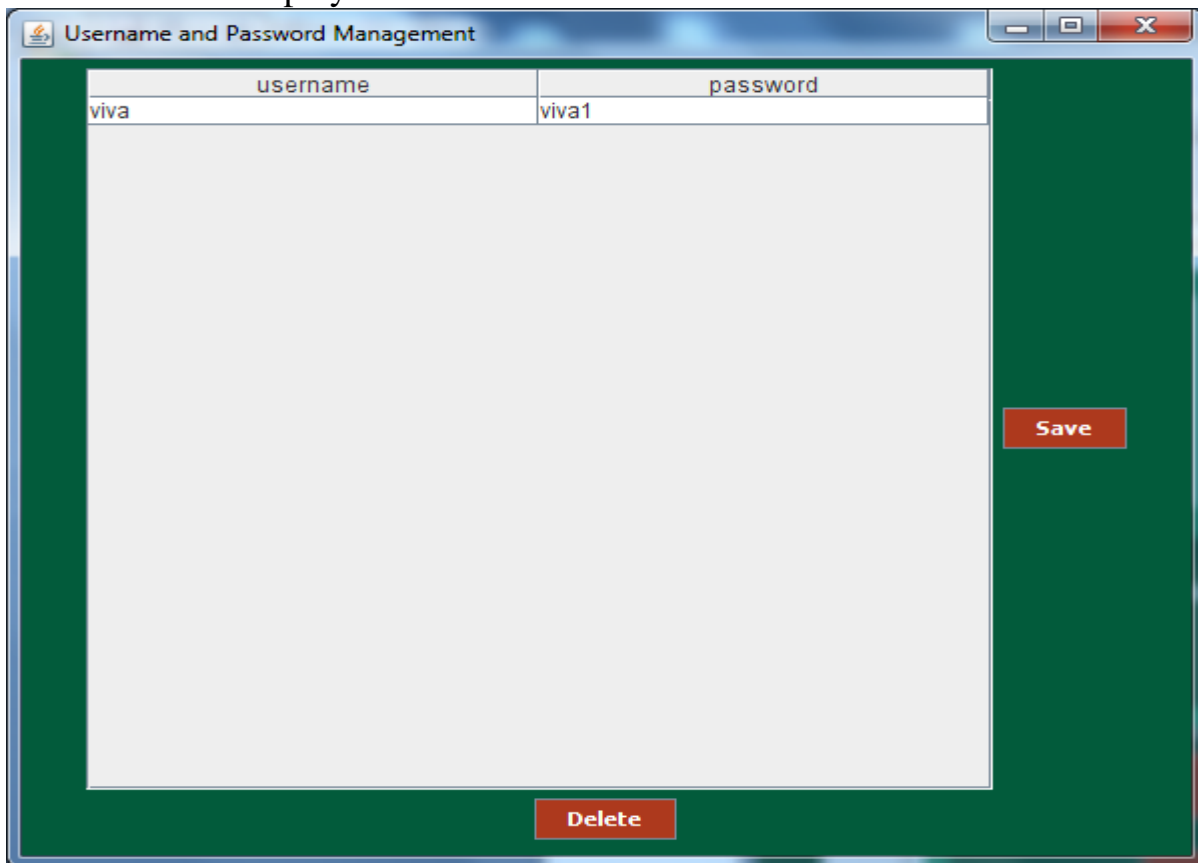
Webcam

Features

1. Frame rate: A decent webcam will have at least 30 frames per second (fps) frame rate . Anything less than this is just out of date and can result in juddering images.

2. Resolution: Many webcams now have 720p and 1080p high-definition capabilities. What's important to note is that you will need an HD-capable monitor in order to witness the true high definition.

3. Autofocus: Autofocus works by automatically focusing (duh) the subject while it moves around. Although this can be an invaluable feature, it can also hang things up while the camera takes the time to focus. Some webcams allow this feature to be turned off -- a handy option should you need it.

4. Microphone: Check if the webcam has a built-in microphone. How strong of a mic you require will depend on the type of videoing you'll be doing. Most video chatting (such as Skype) can be done adequately with a webcam's built-in mic. If you'll be recording webisodes or other higher-tech films, you may want to invest in an external microphone.

5. Video effects: Do you like to use avatars or special backgrounds while recording? Some models come with software that allows you to get silly with your filmmaking.

Fingerprint

Features

1. The major Minutia features of fingerprint ridges are: ridge ending, bifurcation, and short ridge (or dot).

2. The ridge ending is the point at which a ridge terminates. Bifurcations are points at which a single ridge splits into two ridges. Short ridges (or dots) are ridges which are significantly shorter than the average ridge length on the fingerprint.

3. Minutiae and patterns are very important in the analysis of fingerprints since no two fingers have been shown to be identical.

4. Fingerprints are one of many forms of biometrics used to identify individuals and verify their identity.

5. The three basic patterns of fingerprint ridges are the arch, loop, and whorl:

> ➤ Arch: The ridges enter from one side of the finger, rise in the center forming an arc, and then exit the other side of the finger.
> ➤ Loop: The ridges enter from one side of a finger, form a curve, and then exit on that same side.
> ➤ Whorl: Ridges form circularly around a central point on the finger.

Printer

Features

1. Thermal printing (or direct thermal printing) is a digital printing process which produces a printed image by selectively heating coated thermochromic paper, or thermal paper as it is commonly known, when the paper passes over the thermal print head.

2. The coating turns black in the areas where it is heated, producing an image.

3. Two-color direct thermal printers can print both black and an additional color (often red) by applying heat at two different temperatures.

4. Thermal printers print more quietly and usually faster than impact dot matrix printers.

5. A thermal printer comprises these key components:

> ➤ Thermal head: generates heat; prints on paper
> ➤ Platen: a rubber roller that feeds paper

> ➢ Spring: applies pressure to the thermal head, causing it to contact the thermo sensitive paper

> ➢ Controller boards: for controlling the mechanism

Software Features:

1, Indian Coast Guard Visitor Pass is used to issues the visitors pass to the persons those who came to Indian Coast Guard Office.

2, The visitor pass is distinguished into three different types.

They are

> ➢ Entry Pass   – For One Day

> ➢ Monthly Pass – For One Month

> ➢ Family Pass   – For Unlimited

3, The Administrator has to login and start the process of issuing the visitor pass. The visitor has needed to inform his/her Name, Company Name, Person to meet, Pass Type (i.e., Entry Pass, Monthly Pass, Family Pass) & Contact No.

4, The Customized visitor form is one of the main advantage of this project. The Administrator can itself design his/her visitor form by his own as keeping the requirement in his mind.

5, Once the details of the visitor is filled by the administrator, take photo of the visitor through webcam and get thumb impression through the finger print scanner from the visitor and the same will be saved in the database. Finally take print out of

the visitor pass and issued to the visitor after duly signed by the respective authority.

6, Once the registration is done. After that only Finger print verification is done for that respective user.

7, The pass get expired after the due date. After the expiry of visitor pass, if the visitor came to our office he/she has only to file his finger print the details of that respective user will automatically get filled in the visitor pass form and the date is updated and another printout is taken and issued.

8, Reports are generated based upon the start & end date as various type of user defined file formats and get saved in the user defined location.

9, In Security settings the create, edit and delete administrator accounts can be done.

10, The Printout of visitor pass will have the following details such as
Address, Pass Type, Visitor Name, Visitor Photo, Company Name, Valid From and Contact No.

<p align="center">**"Thank You Visit Again"**</p>

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