

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 -- trees 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:

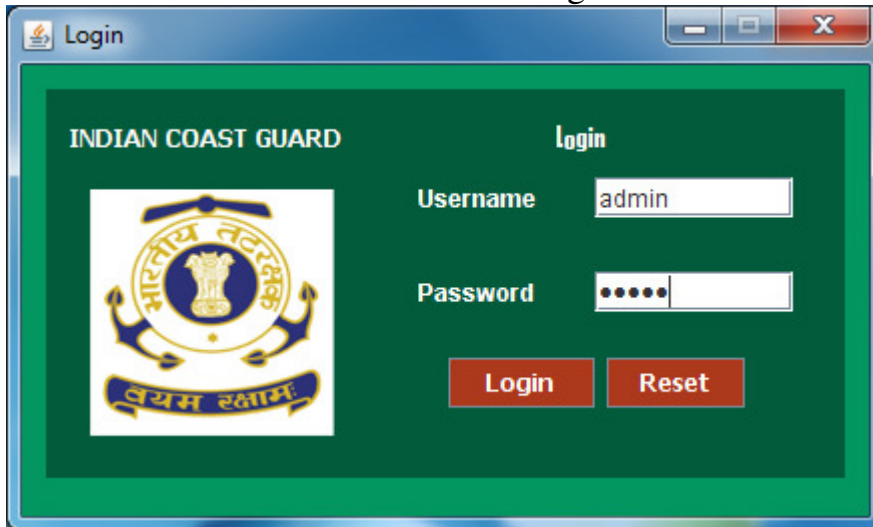
Indian Coast Guard Visitor Pass is a Desktop Application which is used to issue the visitor pass to the persons those who came to the Indian Coast Guard Office. In order to maintain security and also to maintain the records of the persons those who came to the office each and every day this project is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



The screenshot shows a web browser window titled "Login". The page has a dark green background. On the left, there is the Indian Coast Guard logo, which features a circular emblem with a central figure and the motto "वयम रक्षाम" (We protect) in Hindi. To the right of the logo, the text "INDIAN COAST GUARD" is displayed. Below this, the word "Login" is centered. There are two input fields: "Username" with the value "admin" and "Password" with four dots. At the bottom, there are two red buttons labeled "Login" and "Reset".

Main Requirement Frame



The screenshot shows a web browser window titled "Indian Coast Guard". The page has a dark green background. On the left, there is the Indian Coast Guard logo. To the right of the logo, the text "Indian Coast Guard" is displayed in a large font, followed by "District Head Quarter No:5", "Fort st,George", and "Chennai-600 009". Below this text, there are four red buttons stacked vertically, labeled "Pass", "Reports", "Settings", and "Verification".

Visitor Pass



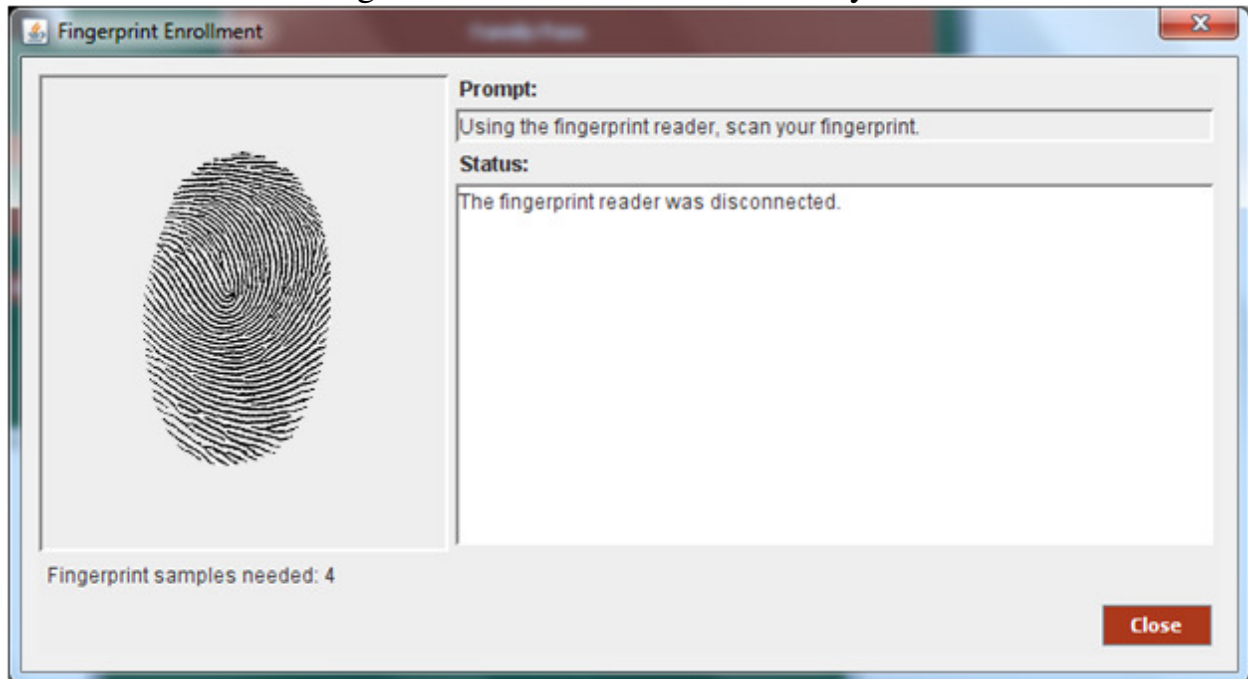
The screenshot shows a web application window titled "Visitor_Pass". On the left is the Indian Coast Guard logo, which includes the text "भारतीय तटरक्षक" (Bharatiya Tatarakshak) and "वयम रक्षाम" (Vayam Raksham). To the right of the logo, the text reads: "Indian Coast Guard", "District Head Quarter No:5", "Fort st,George", and "Chennai-600 009". Below this information are three large, dark red buttons stacked vertically, labeled "One Day Pass", "Monthly Pass", and "Family Pass".

One Day Pass Form



The screenshot shows a web application window titled "Visitor_Pass" displaying a form for a "One Day Pass". The form has a dark green background with white text and input fields. The fields are: "Visitor Name" (value: kiruba), "Company" (value: ror Technologies), "Person to meet" (value: Baktha), "Valid From" (value: 08-10-2012), "Valid till" (value: 08-10-2012), and "Contact No" (value: 9043963074). To the right of the form fields is a small photo of a person. Below the photo are three buttons: "Load Photo", "Take Picture", and "Browse Picture". At the bottom of the form are two buttons: "Print" and "Enrollment".

Finger Print Enrollment For One Day Pass



Print Out Of One Day Pass



INDIAN COAST GUARD
Headquarters, Coast Guard District,
No:5, Fort St. George,
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

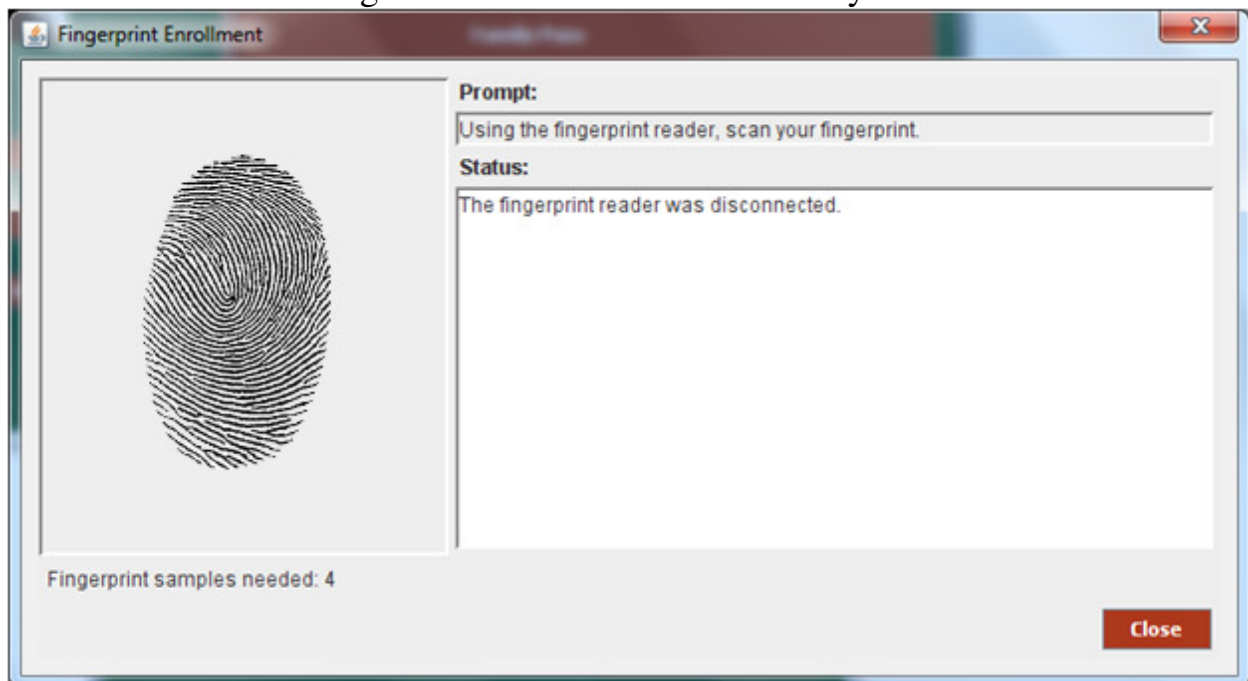


The screenshot shows a web application window titled "Monthly_Pass" with a dark green background. The main heading is "Monthly Pass". The form contains several input fields and buttons:

Visitor Name	<input type="text" value="kiruba"/>	
Company	<input type="text" value="ror Technologies"/>	
Person to meet	<input type="text" value="VelMurugan"/>	
Valid From	<input type="text" value="08-10-2012"/>	<input type="button" value="Load Photo"/>
Valid till	<input type="text" value="08-10-2012"/>	<input type="button" value="Take Picture"/>
Contact No	<input type="text" value="9043963074"/>	<input type="button" value="Browse Picture"/>

At the bottom of the form, there are two buttons: "Print" and "Enrollment".

Finger Print Enrollment For Monthly Pass



The screenshot shows a web application window titled "Fingerprint Enrollment". The interface is split into two main sections:

- Left Section:** A large, faint fingerprint image is displayed.
- Right Section:** A text area with the following content:
 - Prompt:** Using the fingerprint reader, scan your fingerprint.
 - Status:** The fingerprint reader was disconnected.

At the bottom left, it says "Fingerprint samples needed: 4". At the bottom right, there is a "Close" button.

Print Out Of Monthly Pass



INDIAN COAST GUARD
Headquarters, Coast Guard District,
No:5, Fort St. George,
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

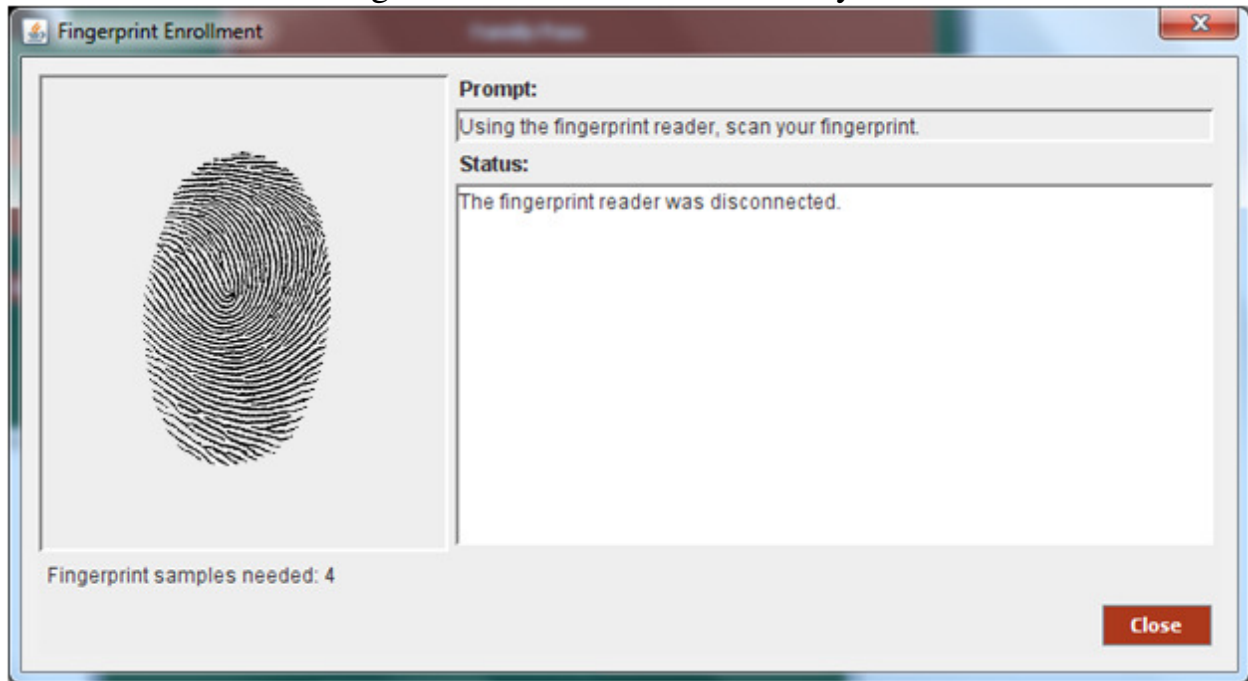
Family Pass Form

Family_Pass

Family Pass

Visitor Name	<input type="text" value="kiruba"/>	
Company	<input type="text" value="rrorTechnologies"/>	
Person to meet	<input type="text" value="Renuka"/>	
Valid From	<input type="text" value="08-10-2012"/>	
Valid till	<input type="text" value="08-10-2012"/>	
Contact No	<input type="text" value="9043963074"/>	

Finger Print Enrollment For Family Pass



Print Out Of Family Pass



INDIAN COAST GUARD
Headquarters, Coast Guard District,
No:5, Fort St. George,
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

Report



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

Select Date from Calender

Start Date

End Date

Generated Report In Excel

SNo	Visitor Nar	Company	person to	Valid From	Valid Till	Login Time	Logout Time
1	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:08:55.0
2	kiruba	mirror	arun	2012-09-15	2012-11-17	2012-10-01	2012-10-01 14:09:20.0
3	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:19:23.0
4	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:24:42.0
5	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:25:22.0
6	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:26:58.0
7	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:27:41.0
8	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:28:59.0
9	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:30:20.0
10	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:31:41.0
11	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:32:13.0
12	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 14:39:30.0
13	ada	addds	sddas	2012-09-17	2012-09-15	2012-10-01	2012-10-01 19:17:02.0
14	ada	addds	sddas	2012-09-17	2012-09-15	2012-10-01	2012-10-01 19:17:40.0
15	vel	LBench	Mr Arun	0030-10-12	0028-10-12	2012-10-01	2012-10-01 19:19:04.0
16	vijay	mirror	vel	2012-09-15	2012-11-22	2012-10-01	2012-10-01 19:19:32.0

Customized Form Setting

The screenshot shows a window titled "Visitor Passtemplate" with a dark green background. It contains a list of form fields with their labels and IDs:

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

At the bottom of the window, there are two red buttons: "Add New Label" and "Save".

Adding Form Elements

The screenshot shows a window titled "Add New Label" with a dark green background. It displays the following text:

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

Below the text, there is a label "Enter Lable Name" followed by a text input field containing the word "country".

At the bottom of the window, there is a red button labeled "Add".

Added Element In Form

Field Name	Input Field	Index
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

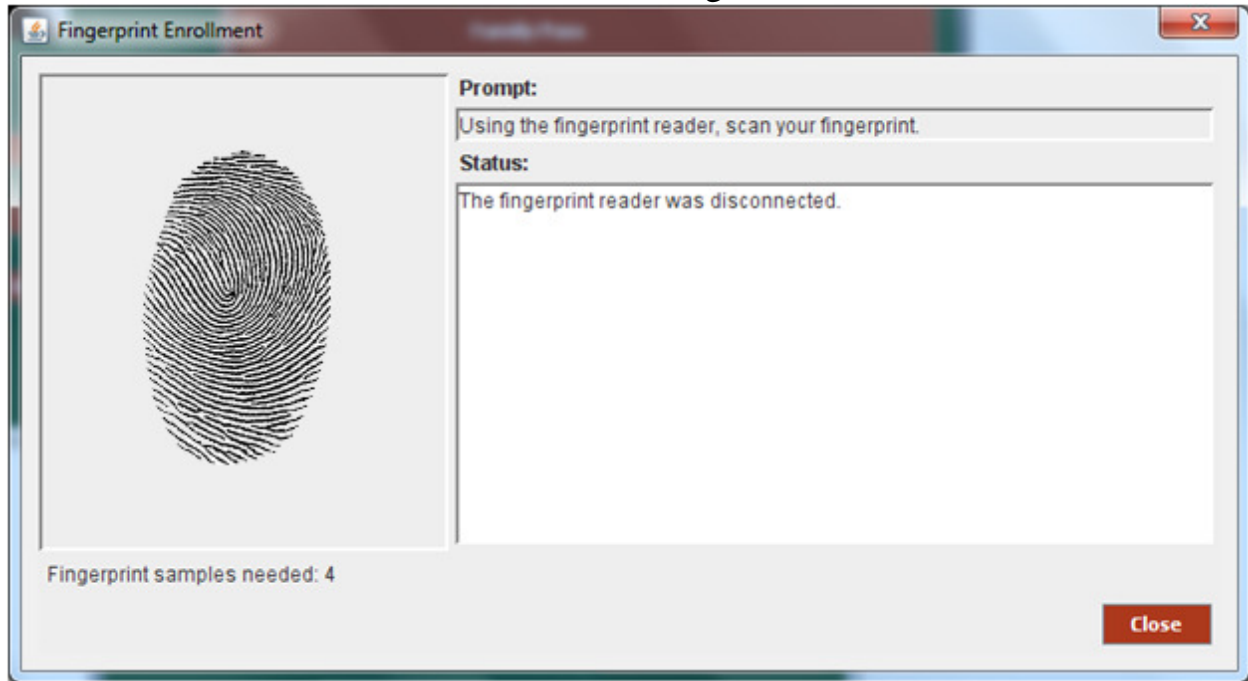
Add New Label **Save**

Delete Element In Form

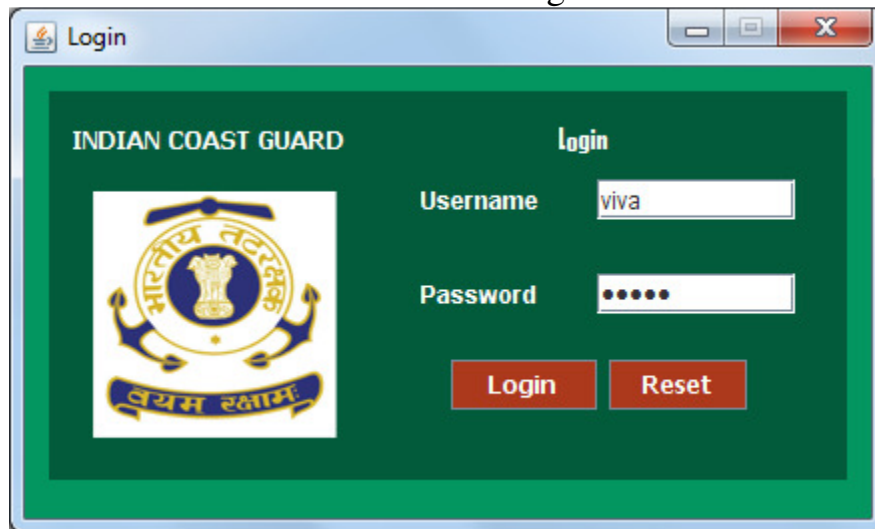
Field Name	Input Field	Index
Visitor Name	Visitor Name	1
Company	Company	2
Person to meet	Person to meet	3
Valid From	Valid From	4
Valid till	Valid till	5
Contact No	Contact No	6
State	State	7

Add New Label **Save**

Verification Of Finger Print



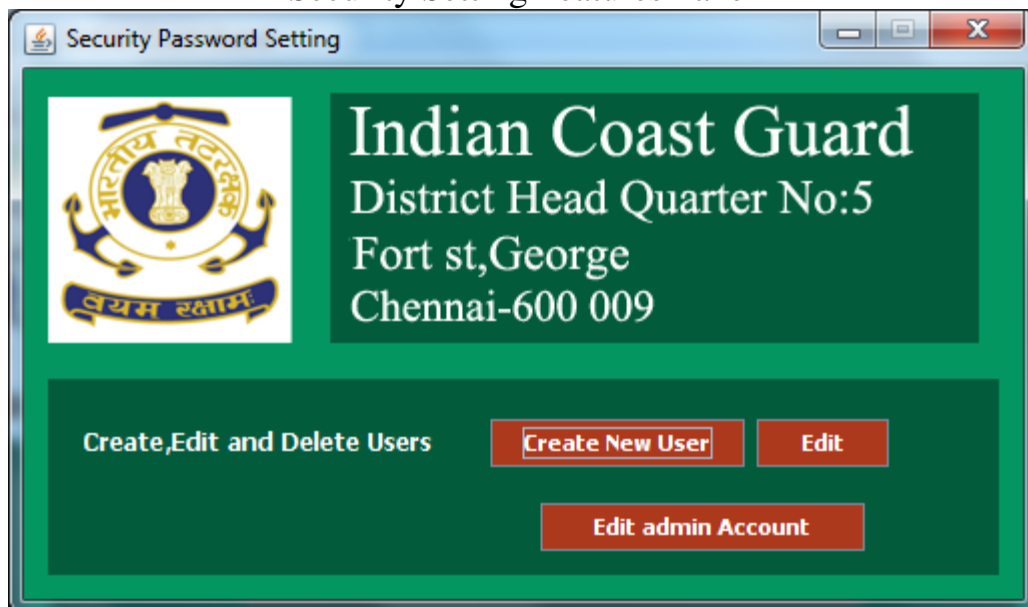
Admin Panel Login



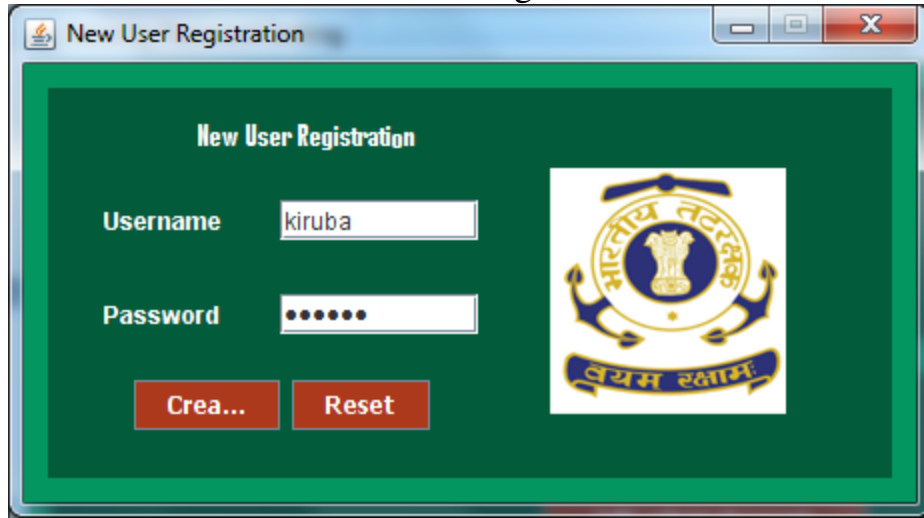
Security Settings



Security Setting Features Panel



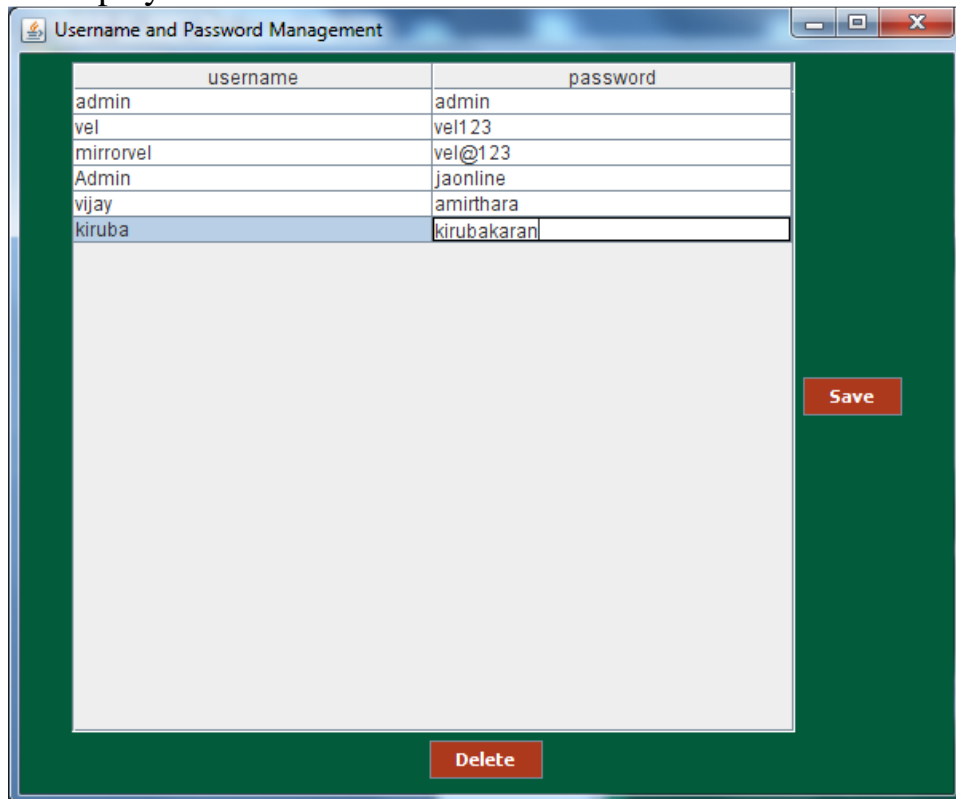
New Admin Registration



A screenshot of a web application window titled "New User Registration". The window has a green background and a white title bar. The main content area is green and contains the following elements:

- A title "New User Registration" in white text.
- A "Username" label followed by a text input field containing the value "kiruba".
- A "Password" label followed by a password input field with six dots.
- Two red buttons: "Crea..." and "Reset".
- A circular logo on the right side featuring a central emblem with a lamp, surrounded by the text "भारतीय वेदप्रसारण संस्थान" and a banner at the bottom with the motto "वयम रक्षाम".

Display Username & Password Of Software Administrator

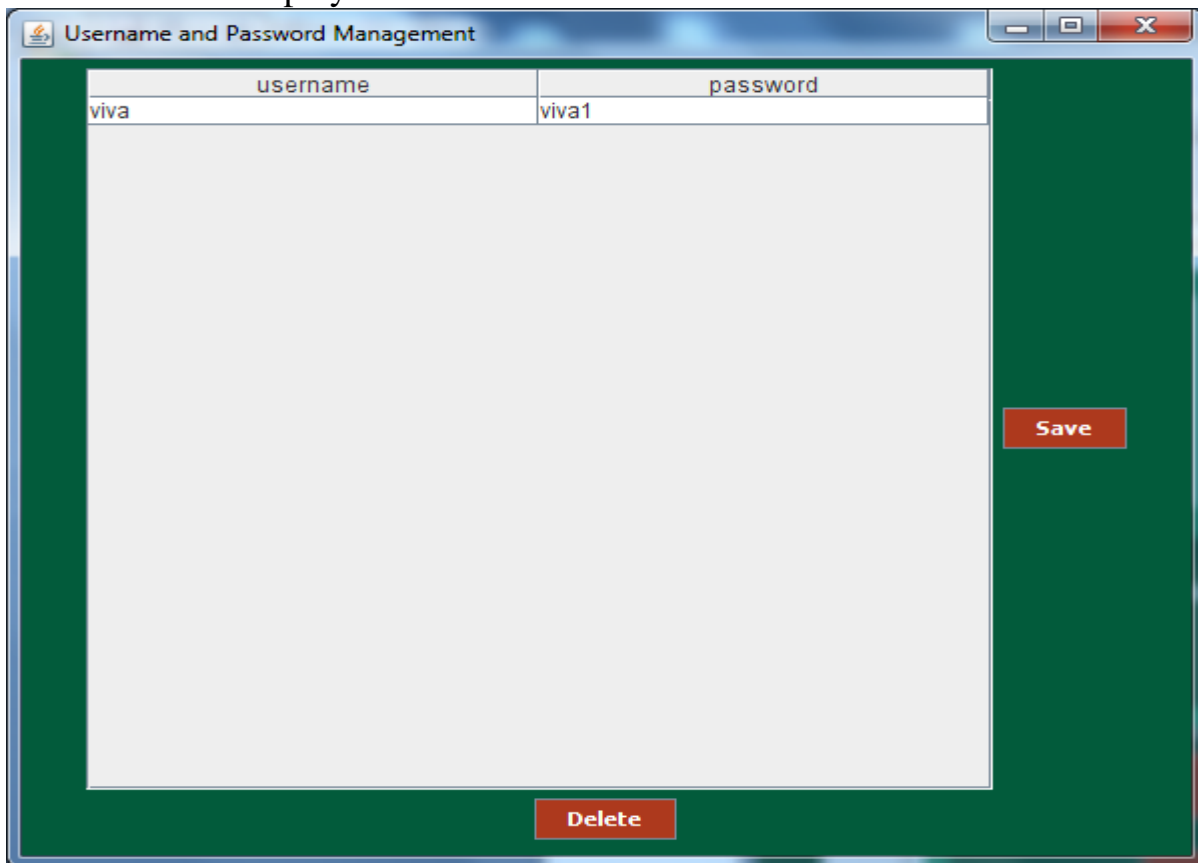


A screenshot of a web application window titled "Username and Password Management". The window has a green background and a white title bar. The main content area is green and contains the following elements:

- A table with two columns: "username" and "password".
- A "Save" button on the right side.
- A "Delete" button at the bottom center.

username	password
admin	admin
vel	vel123
mirrorvel	vel@123
Admin	jaonline
vijay	amirthara
kiruba	kirubakaran

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.

“Thank You Visit Again”

Contact Us:

**Mirror Technologies Pvt Ltd,
#73, South Sivan Kovil Street,
Vadapalini, Chennai - 600 026.
044-42048874, 9381948474**

info@mirrortech.in
www.mirrortech.in