The software must be a Windows Desktop software hosted in online server. The software will be installed in many computers by different users, so that many users can use the software at a time to upload photos.

The project is divided into 2 phases - 1. Upload phase and 2 . Facial recognition phase. Right now, you should work on the “Upload phase” only and upon completion of “Upload phase”, you should deliver us the software .exe file and the source codes. Upon checking the quality of software in “Upload phase”, if we should proceed to the 2nd phase immediately or pause the 2nd phase for a while and rather assign you a new project immediately.

**Upload Phase**

The 1st phase of software will be a software where the users will be able to upload photo of lost people and found people into the software along with the known identity details of the person photographed. Software users can’t however sign up for accounts themselves. General users will only find a login screen asking for username and password when the open the software. There will be an admin panel in the software, where the admin will be able to generate username, password for the general users. In the user account, there will be a page where the users can view the photos of lost and found persons and associated information uploaded by them. The admin can also view, edit and delete the photos of lost and found persons and associated identity information. These are all the functionalities required to be developed in the 1st phase of the software. In the 2nd phase, we will match the photos of lost persons with the photos of found persons using facial recognition model.  
  
  
  
 **User software and admin software**

There will be 2 different software. One software will be used by the users and the other software will be used by the admin. So you should create 2 different exe files for user software installation and admin software installation respectively.  
  
  
  
  
 **User software pages and functions**Once the user software is opened, the first page that appears on the screen will be the login page. The page will look like this-  
  
  
  
 Username:   
 Password:

Logo

The login page won’t have any Sign Up or Forgot Password links.  
  
  
Upon logging in to the account, the user will see the account dashboard page. The account dashboard page may look like this-  
  
  
  
  
 **File a lost report File a found report**

All photos uploaded

Unmatched Photos

Matched Photos

Logo

Sign in

Fields marked with \* are mandatory

Name of lost person:\* Name of found person:

Name of the contact person Name of the contact person

of the lost person:\* of the found person:\*

Phone number of the Phone number of the

contact person of the contact person of the

lost person:\* found person:\*

GD/case number:\* GD/case number:\*

Enrollment officer name:\* Enrollment officer name:\*

Enrollment officer Enrollment officer

BP number:\* BP number:\*

Enrollment officer phone Enrollment officer phone

number:\* number:\*

Remarks: Remarks:

Photo of the lost Photo of the found

person:\* person:\*

Submit

Submit

Once the user clicks the “Submit” button, a green confirmation notice will appear, “The photo has been uploaded. If a match is found, you will be able to see that in ‘Matched photos’ page”.

**Matched photo page**

This page is not a part of the 1st phase. I however am describing how the page should work.  
If a match is found, this page will list all the matched photos and identity information one by one. There will be a serial number for all the matched photos. Latest matched photos will be shown first. The page will look like this-

1. Date and time the photos matched:

Lost person Found person

Photo

Photo

Police station: Police station:

Name of lost person: Name of found person:

Name of the contact person Name of the contact person

of the lost person: of the found person:

Phone number of the Phone number of the

contact person of the contact person of the

lost person: found person:

GD/case number: GD/case number:

Enrollment officer name: Enrollment officer name:

Enrollment officer Enrollment officer

BP number: BP number:

Enrollment officer phone Enrollment officer phone

number: number:

Remarks: Remarks:

2. Date and time the photos matched:

Lost person Found person

Photo

Photo

Police station: Police station:

Name of lost person: Name of found person:

Name of the contact person Name of the contact person

of the lost person: of the found person:

Phone number of the Phone number of the

contact person of the contact person of the

lost person: found person:

GD/case number: GD/case number:

Enrollment officer name: Enrollment officer name:

Enrollment officer Enrollment officer

BP number: BP number:

Enrollment officer phone Enrollment officer phone

number: number:

Remarks: Remarks:

3. Date and time the photos matched:

Lost person Found person

Photo

Photo

Police station: Police station:

Name of lost person: Name of found person:

Name of the contact person Name of the contact person

of the lost person: of the found person:

Phone number of the Phone number of the

contact person of the contact person of the

lost person: found person:

GD/case number: GD/case number:

Enrollment officer name: Enrollment officer name:

Enrollment officer Enrollment officer

BP number: BP number:

Enrollment officer phone Enrollment officer phone

number: number:

Remarks: Remarks:

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Each page will show 12 matches. At the bottom of the page, there will be page numbers to go to other pages to find older matches.  
  
If a photo is matched, the software will show notification both inside the software user interface as well as on the PC.

**Unmatched photos page**

If a match is not found, this page will list all the unmatched photos and identity information one by one. There will be a serial number for all the unmatched photos. Latest unmatched photos will be shown first. The page will look like this-

1. Date and time the photo uploaded:

Lost person/Found person

Photo

Police station:

Name of lost person:

Name of the contact person

of the lost person:

Phone number of the

contact person of the

lost person:

GD/case number:

Enrollment officer name:

Enrollment officer

BP number:

Enrollment officer phone

number:

Remarks:

2. Date and time the photo uploaded:

Lost person/Found person

Photo

Police station:

Name of lost person:

Name of the contact person

of the lost person:

Phone number of the

contact person of the

lost person:

GD/case number:

Enrollment officer name:

Enrollment officer

BP number:

Enrollment officer phone

number:

Remarks:

3. Date and time the photo uploaded:

Lost person/Found person

Photo

Police station:

Name of lost person:

Name of the contact person

of the lost person:

Phone number of the

contact person of the

lost person:

GD/case number:

Enrollment officer name:

Enrollment officer

BP number:

Enrollment officer phone

number:

Remarks:

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Each page will show 12 unmatched photos. At the bottom of the page, there will be page numbers to go to other pages to find older unmatched photos.

“**All photos uploaded” page**

This page will list all the uploaded photos and identity information one by one. There will be a serial number for all the photos. Latest uploaded photos will be shown first. The page will look like this-

1. Date and time the photo uploaded:

Lost person/Found person

Photo

Police station:

Name of lost person:

Name of the contact person

of the lost person:

Phone number of the

contact person of the

lost person:

GD/case number:

Enrollment officer name:

Enrollment officer

BP number:

Enrollment officer phone

number:

Remarks:

2. Date and time the photo uploaded:

Lost person/Found person

Photo

Police station:

Name of lost person:

Name of the contact person

of the lost person:

Phone number of the

contact person of the

lost person:

GD/case number:

Enrollment officer name:

Enrollment officer

BP number:

Enrollment officer phone

number:

Remarks:

3. Date and time the photo uploaded:

Lost person/Found person

Photo

Police station:

Name of lost person:

Name of the contact person

of the lost person:

Phone number of the

contact person of the

lost person:

GD/case number:

Enrollment officer name:

Enrollment officer

BP number:

Enrollment officer phone

number:

Remarks:

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Each page will show 12 photos. At the bottom of the page, there will be page numbers to go to other pages to find older photos.

**User session and logout functions**

Once the user is logged in to the software, he/she will remain logged in forever. However, there will be a manual log out button in the user dashboard. On the upper right side of the dashboard, the “Police station, District/City corporation” will be shown. If the user places the cursor on this line, “Change password” and “Log out” buttons will be shown. If the user wants to change password, he/she can click “Change password”. If the user clicks on “Log out”, the software will ask for another confirmation, “Do you really want to log out from the software?” If the user clicks “Yes”, he will be logged out. But if the user logs in again, he/she will remain logged in again forever.  
  
  
 **Admin software pages and functions**

The admin software will also have a simple login page with no sign up or forgot password links.  
On the upper right side of the admin dashboard, the name “Admin” will appear. Under this name, there will be “Forgot password” and “Log out” buttons. Functions of these buttons will be similar to the functions of the respective buttons in user accounts. The admin will remain logged in forever unless he/she logs out manually. If the admin loses his username/password, the username/password can be reset from the server.

In the admin dashboard, there will be 4 tabs- Users, Matched photos, Unmatched photos, All photos uploaded.  
  
The Matched photos, Unmatched photos and All photos uploaded pages will have same functionalities as the respective pages in user accounts. However, in the admin account, these pages will show photos uploaded by all the user accounts combined. Furthermore, in the admin account, there will be “Delete” button next to every entry in these pages. As usual, 12 entries are shown per page. But the admin can delete an entry if required.  
If a photo matches, the admin will receive notification both inside the admin software and on his/her PC.  
  
You have to create the All photos uploaded page and Users page in the 1st phase.  
  
The details of the Users page is as follows-  
  
On the top of the page there will be an username generation section. In this section there will be 4 fields and a “Generate” button. So it looks like this-

Username: ***Auto generate***  
Password:  ***Auto generate***  
District/city corporation:  
Police station:

Generate

All the above fields are mandatory. Next to “Username” and “Password” boxes, there should be “Auto generate” links. If the admin clicks on such a link, auto generated username/password will be filled in the boxes.

Just below the username generation section, there will be a table of generated username, password and respective police station. The table will also have Reset password links. The table will look like this-

|  |  |  |  |
| --- | --- | --- | --- |
| Username | Password | Police station | Reset password |
| Roncifok | R44#2dB!3\*6G | Boston, Eastern station | ***Reset password*** |
| Vitominas | F&90QxVr4!dI | Cleveland, Northern Station | ***Reset password*** |
| Peliminosi | C0(1$37^1@1# | Dallas, Southern Station | ***Reset password*** |
| Kopevolifo | V\*6&m)oWsDf2 | San Francisco, Western Station | ***Reset password*** |

In the Police station column, the data will appear as “District/city corporation, Police station”. The data in the table will be sort by alphabetical order of the District/city corporation. The table will have 120 entries per page. At the bottom of the table there will be page number links to go to other pages of the table. If the admin clicks on the “Reset password” link, it will change the password of that user account and show the new password in the table.