# HELPING HANDS PORTAL

SOFTWARE ENGINEERING PROJECT
By Group 1

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# Problem Statement

- A countless number of children go missing every year.
- The category of missing children include a number of problems including abduction or kidnapping of children, run-away children, trafficked children, and lost children.
- Cases are often not reported to the police.
- In 2005, National Human Rights Commission (NHRC) informed that on an average 44000 children are reported missing every year. Of these, as many as 11000 remain untraced.

## Purpose

The aim of proposed system is to develop a system of  improved facilities. The proposed system can overcome all the limitations of the existing systems. The system provides proper security and reduces the manual work (filing FIR and all paper work).

## Scope

The existing system has several disadvantages and many more difficulties for it to work well. The proposed system tries to eliminate or reduce these difficulties up to some extent. The proposed system will help the user to reduce the workload and mental conflict. The proposed system helps the user to work user friendly and he can easily do his task without time lagging.

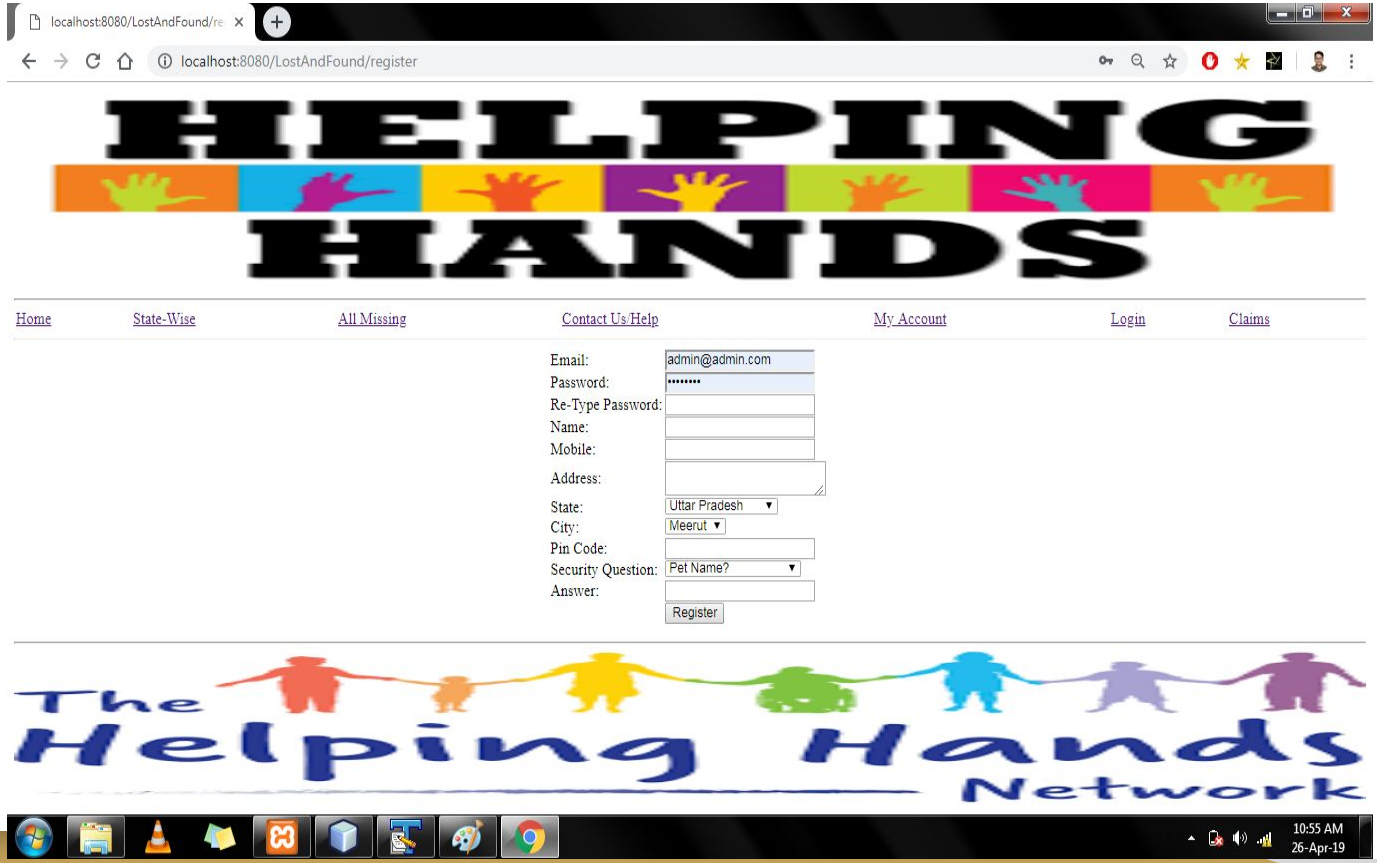
# Software Requirements

Languages : Java 2( JDBC, JSP, Servlet)
Front End : HTML, JavaScript
Web Servers : Apache/Tomcat
Backend : My SQL
Browser Program : Google chrome
OS – Windows 7/8/10  32/64 bit

# Hardware Requirements

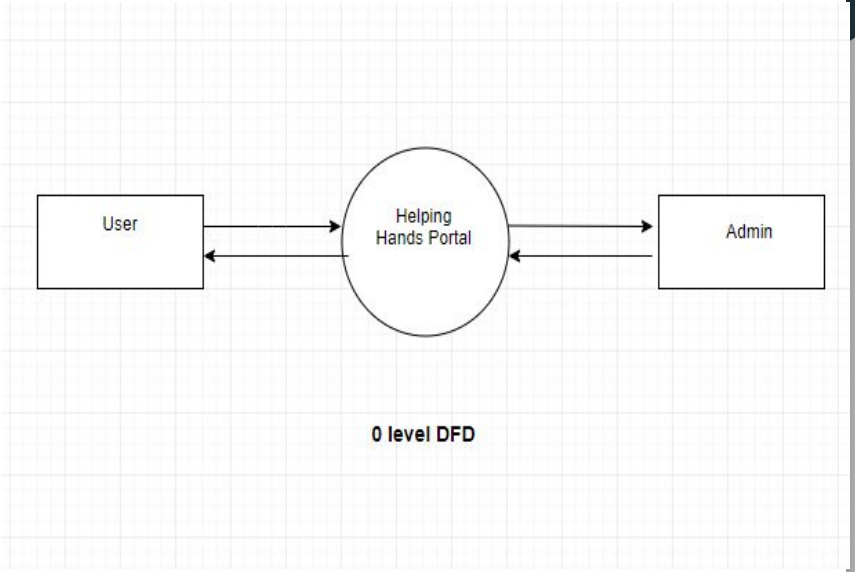
RAM – 4GB or above for Windows 10/  2GB or above for Windows 7/8

# Home Page


localhost:8080/LostAndFound/register
HELPING HANDS
Home
State-Wise
All Missing
Contact Us/Help
My Account
Login
Claims
Email: admin@admin.com
Password:
Re-Type Password:
Name:
Mobile:
Address:
State: Uttar Pradesh
City: Meerut
Pin Code:
Security Question: Pet Name?
Answer:
Register
The Helping Hands Network
10:55 AM
26-Apr-19

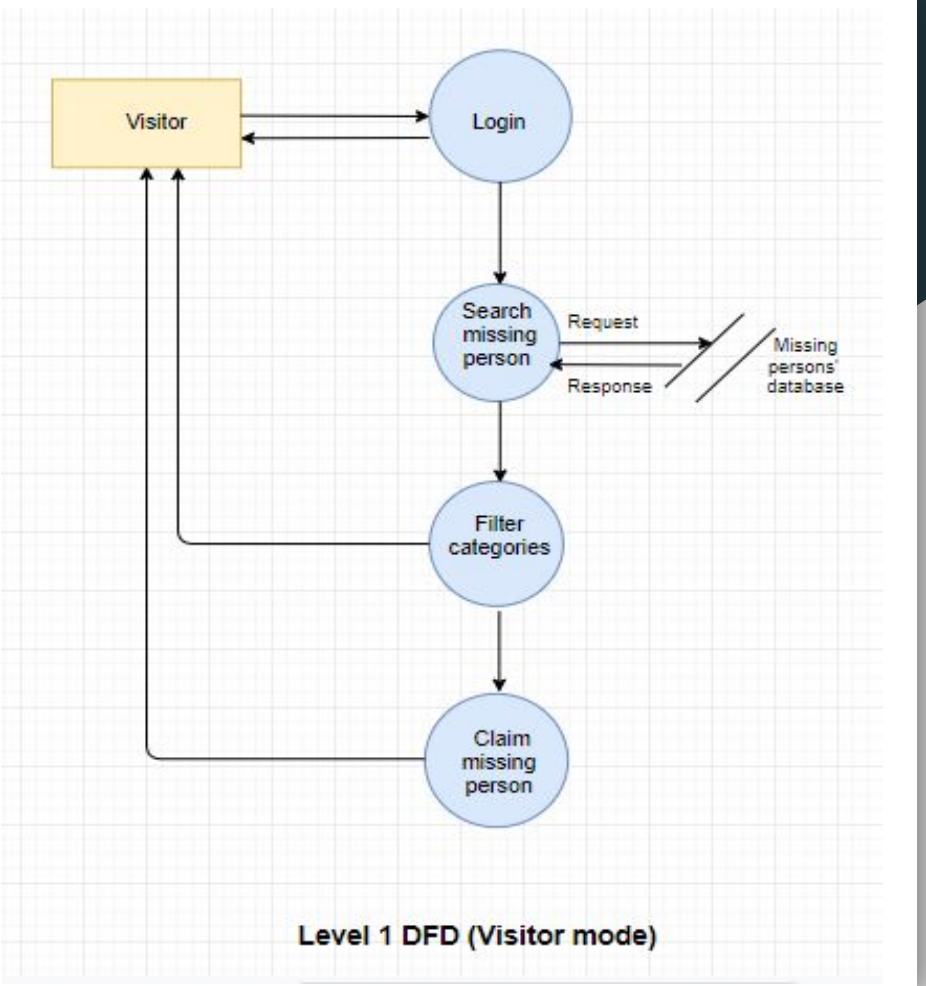
# Modules and Control flow

Any number of clients can connect to the server at the same time. Each user first makes their login to server to show their availability. The server can be any web server. The server then matches the user credentials with those stored in the database.



# Visitor mode

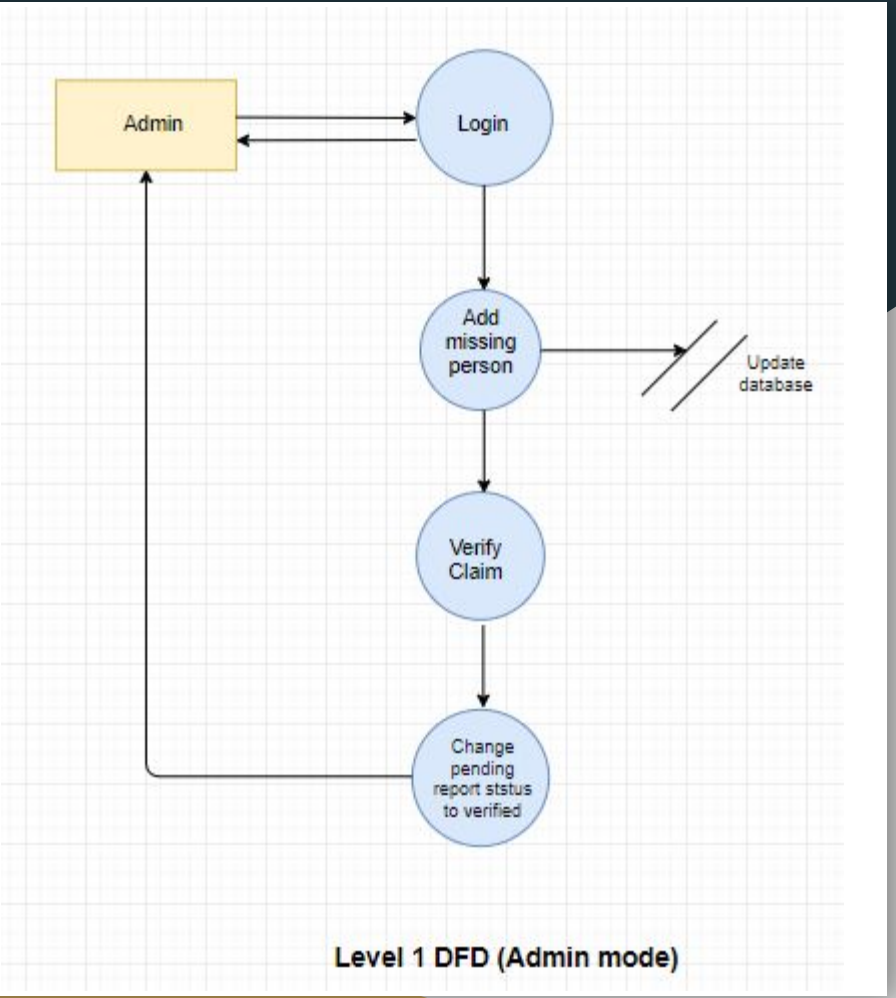
- Search missing child- The form for searching missing children is duly filled by the finders through this module.
- Filter categories- Search can be made more efficient by filtering reports according to categories such as height, weight, age of missing child, State in which child was reported missing.
- Claim child- The claimant of the missing child produces proof of being the child's guardian and waits until the claim is verified by the concerned authorities.




Level 1 DFD (Visitor mode)

# Admin mode

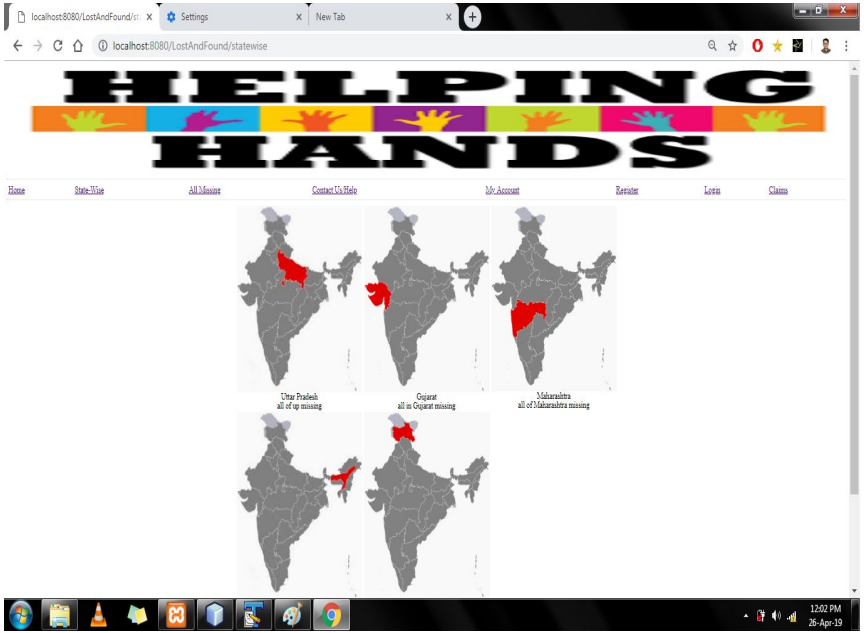
- **Add missing person-** After every submission of missing report, the database is updated with all the details of the child missing. When a sighting is reported, the database is updated with the details of the child spotted.
- **Claim verification-** The authorities match the credentials of the child and claimant.
- **Change report status-** This module is invoked soon after the report of the missing child is filed. The verification of the FIR uploaded takes place in the police mode of the system.




Level 1 DFD (Admin mode)

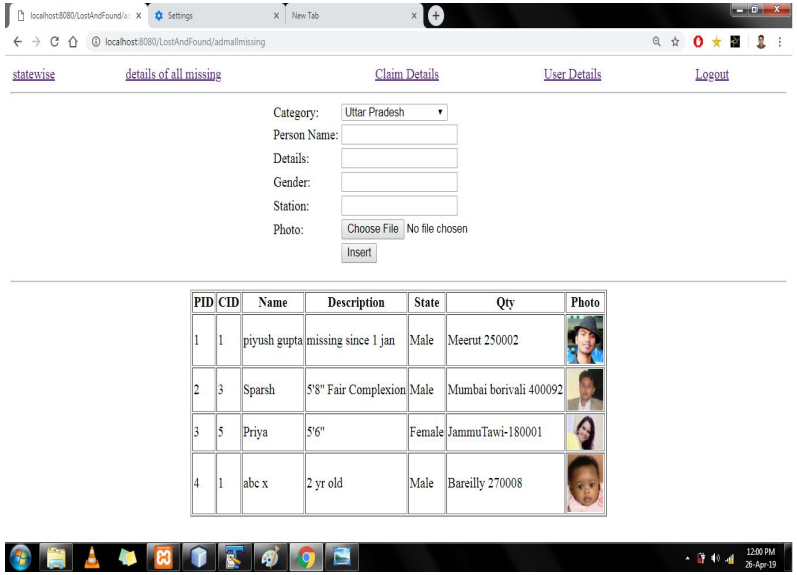
# Implementation

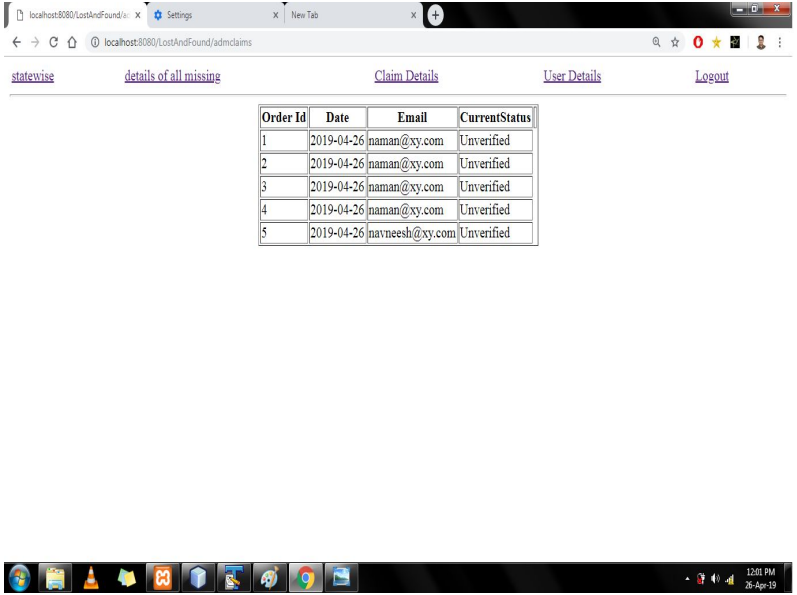
Photos of missing persons were added to the database and various other details were also updated such as age, complexion, height and place they belong to.



# Result

Missing persons are searched successfully and the status of the claim report is displayed on the information page of the user.



# Black Box Testing

| OBJECTIVE | MODE | STEPS | TEST DATA | RESULT |
|---|---|---|---|---|
| Successful login of registered users | Admin, visitor | Enter username and password in login panel | A valid username and password | The user is logged in successfully |
| Submitting missing children's report | Visitor | Click on submit button after filling the form | None | Report is recorded successfully and database is updated |
| Searching missing children | Visitor | Fill in the details, then click search | None | Relevant results are displayed |
| FIR/ Claim verification | Admin | Click verify on completion of the process | None | The verified report is removed from the pending reports |

# Future Scope

- **Face recognition using ML-** The scope of our project can be expanded in future by asking the users to upload images of the child that is missing. Face recognition will match these photos with those present in our database and show the result.

- **Advanced search-** Advanced search features such as search based on GPS location of the user can be implemented such that missing persons of the same area are displayed.

# References

**Related works**: *http://www.missingindiankids.com/*

*http://www.missingkids.org/gethelpnow/*

**Using Oracle**: *https://www.oracle.com/database/*

**Using Apache**: *http://tomcat.apache.org/*

# THANK YOU!!