CRIMINAL DATABASE SYSTEM

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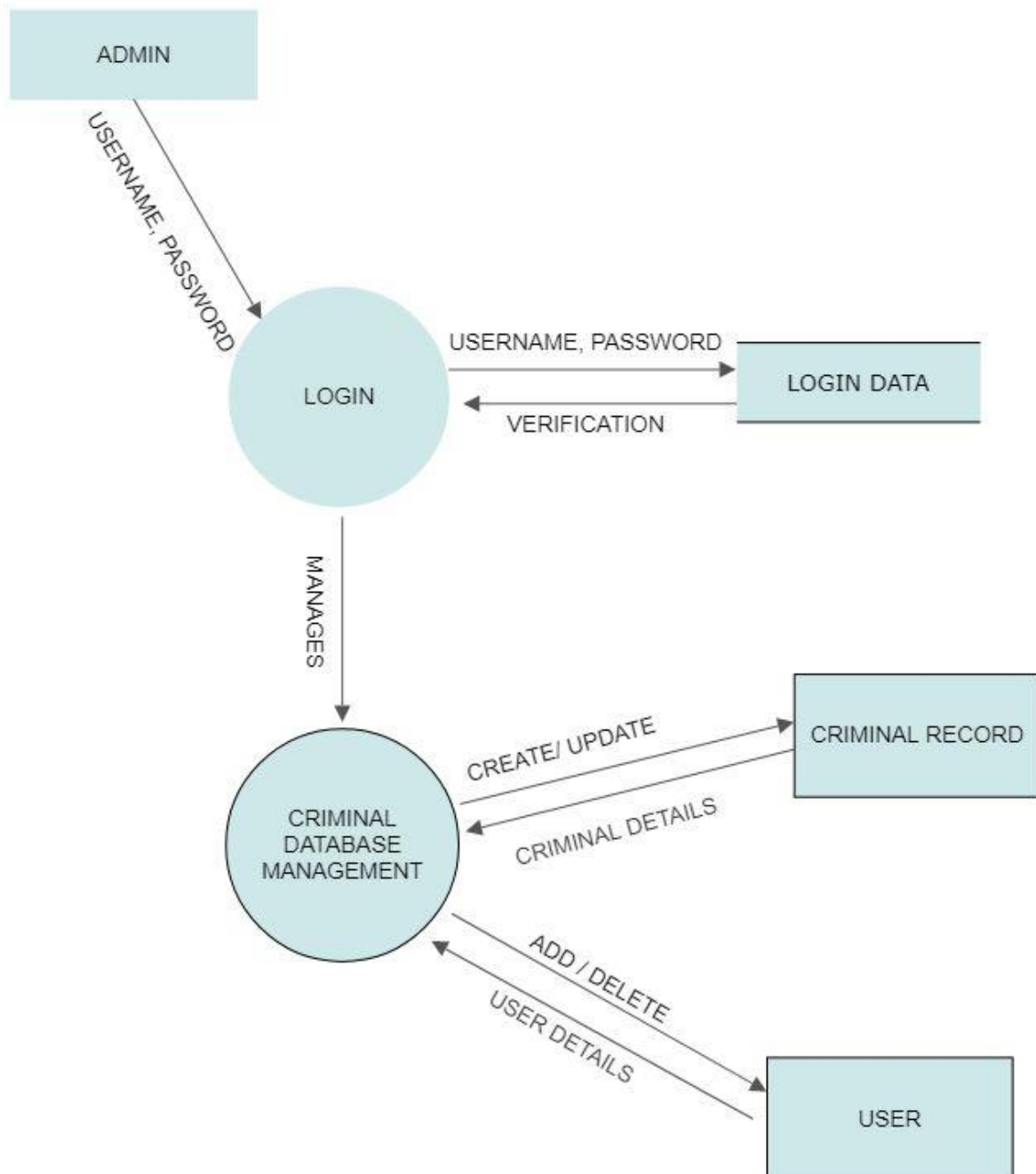Sachin Davis - 1947256

ABSTRACT

Our project will provide a means by which families and/or individuals can equip themselves with information about various criminals/offenders. This will facilitate family friendly neighborhoods and protection provided to kids as they can know which houses/homes are to be avoided. The information provided will contain only registered and convicted criminals, providing attributes such as age, crime committed, jail status, location, rating, etc. Criminal data are both crowdsourced (cross checked against police database) and directly from court / police proceedings.
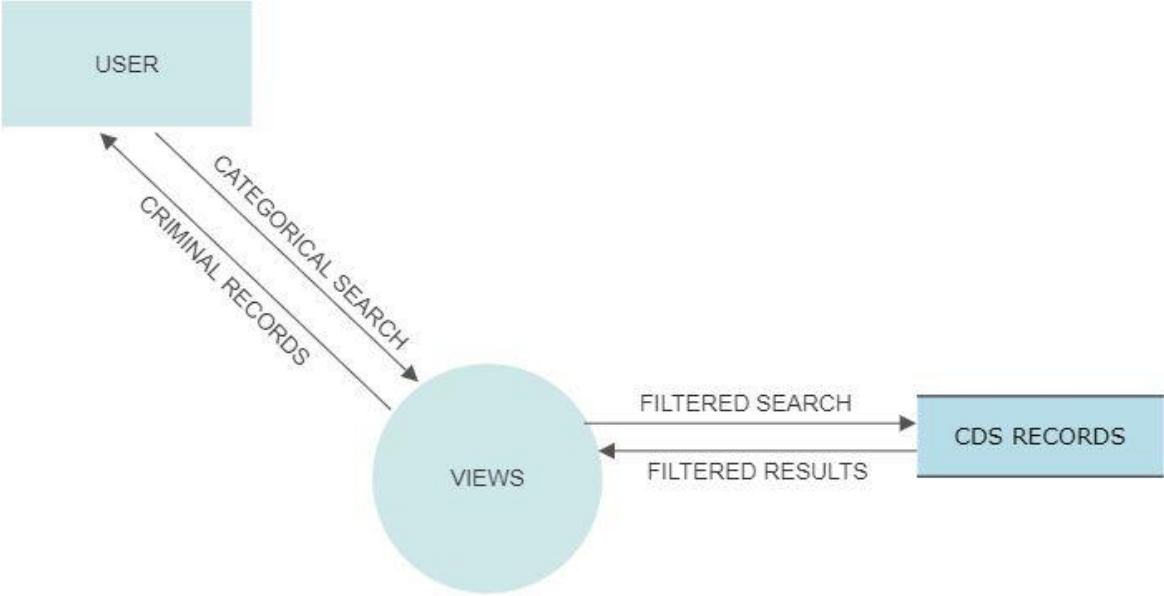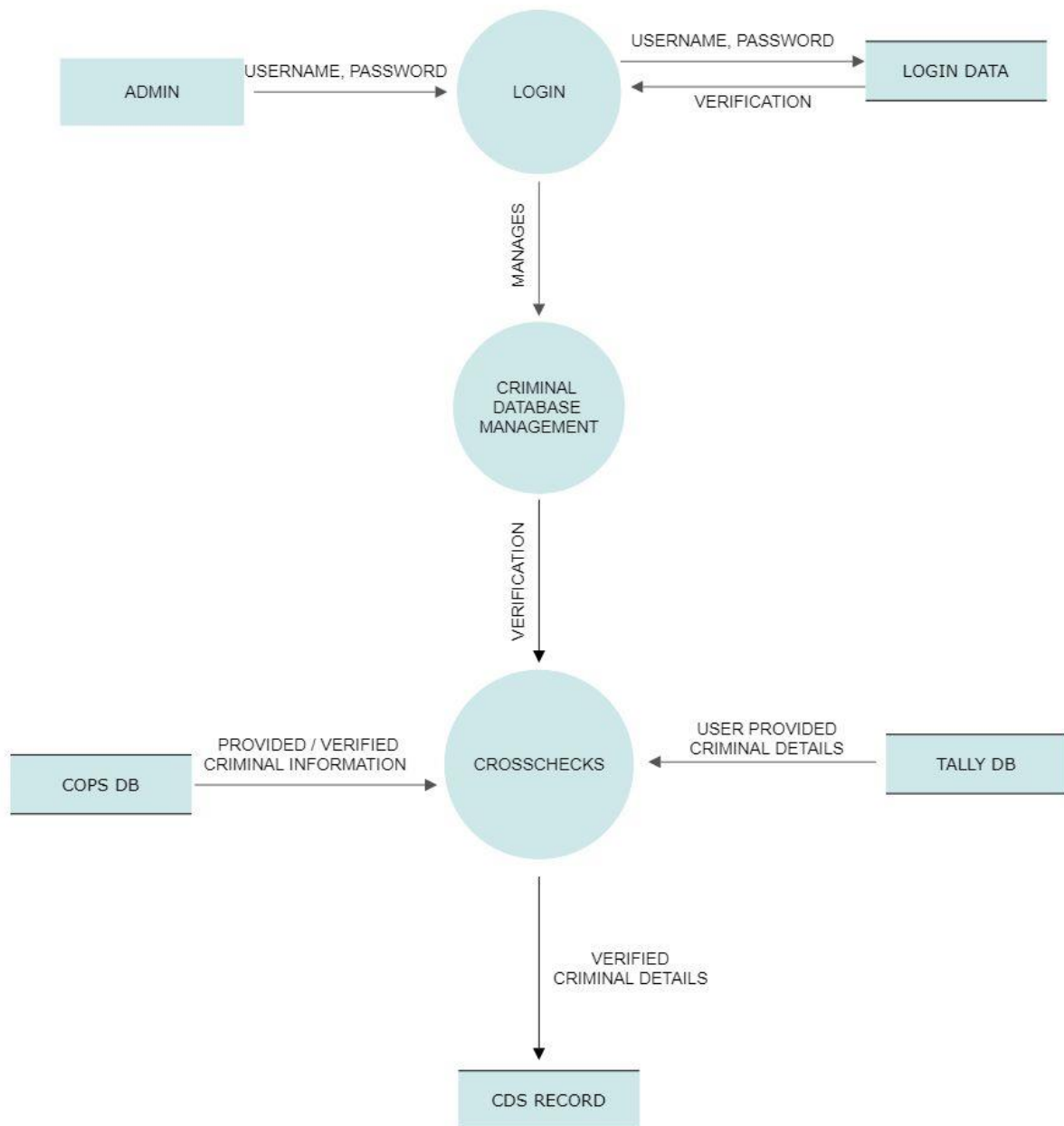
SYSTEM ARCHITECTURE DIAGRAM
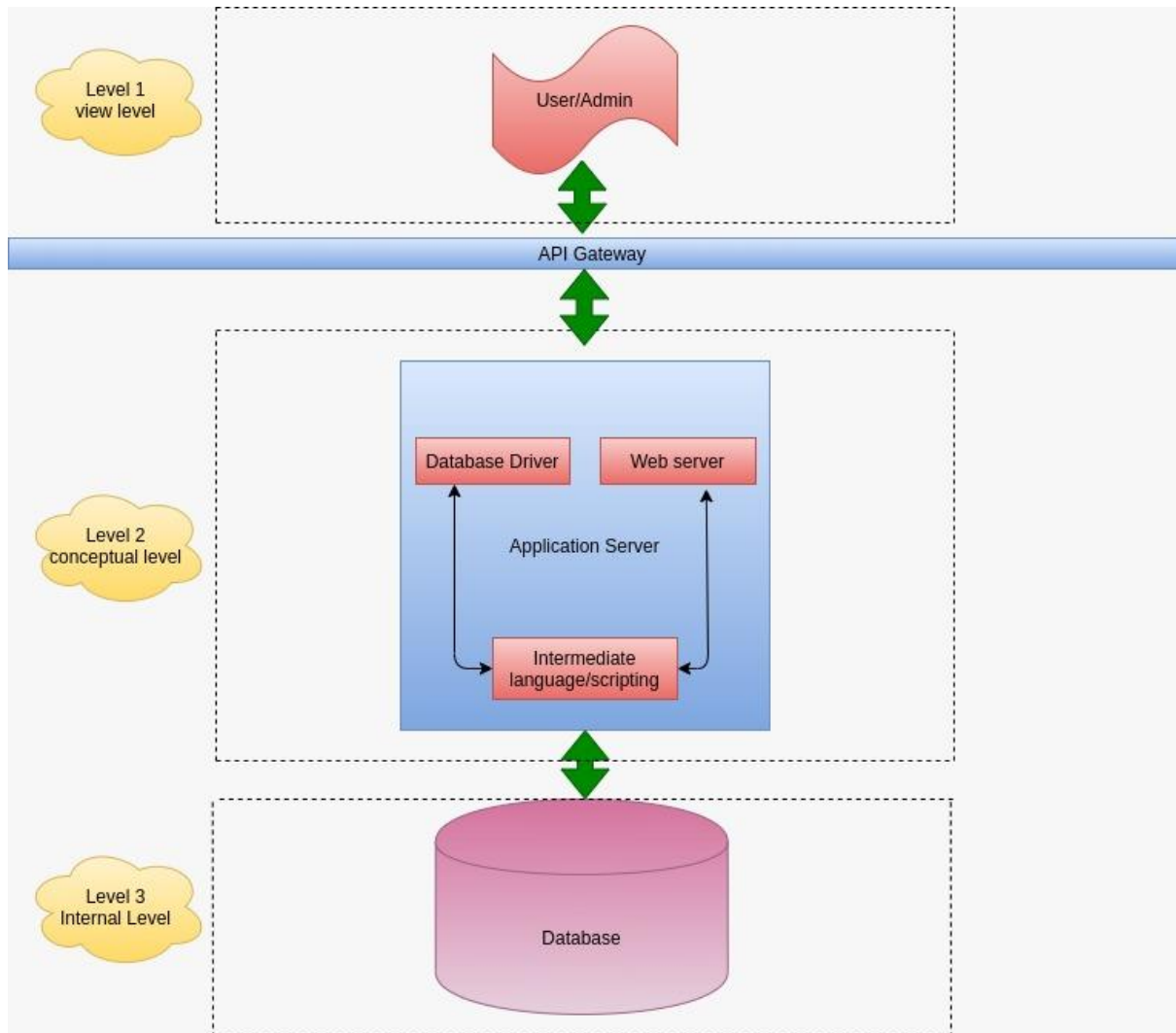
DATA FLOW DIAGRAMS

CRIMINAL DATABASE SYSTEM - LEVEL1 - ADMIN

CRIMINAL DATABASE SYSTEM - LEVEL 1 - USER

USER

CATEGORICAL SEARCH

CRIMINAL RECORDS

VIEWS

FILTERED SEARCH

FILTERED RESULTS

CDS RECORDS

CRIMINAL DATABASE SYSTEM - LEVEL 2 - ADMIN

```
ADMIN  --USERNAME, PASSWORD-->  LOGIN  --USERNAME, PASSWORD-->  LOGIN DATA
                                       <--VERIFICATION--

LOGIN  --MANAGES-->  CRIMINAL DATABASE MANAGEMENT

CRIMINAL DATABASE MANAGEMENT  --VERIFICATION-->  CROSSCHECKS

COPS DB  --PROVIDED / VERIFIED CRIMINAL INFORMATION-->  CROSSCHECKS
TALLY DB  --USER PROVIDED CRIMINAL DETAILS-->  CROSSCHECKS

CROSSCHECKS  --VERIFIED CRIMINAL DETAILS-->  CDS RECORD
```

CRIMINAL DATABASE SYSTEM LEVEL 2 - USER

USER

USER CREDENTIALS

FEEDBACK

REGISTRATION

PROVIDE CREDENTIALS

AUTHENTICATION

USERNAME , PASSWORD

LOGIN

USERNAME , PASSWORD

VERIFICATION

LOGIN DATA

UPLOADS FORMS & FIR

FORMS

CRIMINAL DETAILS

TALLY DB

UPLOAD STATUS (ACCEPTED / REJECTED)

DATABASE TABLES

LOGIN

ID	PWD	EMAIL

ADMIN

ADMIN_NAME	ADMIN_PHONENO	AREA_COVERED

USER

USER_NAME	USER_ADDRESS	USER_PHONENO

FORM

FORM_NO	NAME	AGE
PHYSICAL_DESCRIPTION	DATE	LOCATION
TYPE	ARRESTING_AGENCY	PHOTO

CRIMINAL

CRIMINAL_ID	NAME	PHYSICAL_DESCRIPTION
LOCATION	PHOTO	RATING

CRIME (WEAK ENTITY)

STATUS	TYPE	LOCATION
DATE	ARRESTING_AGENCY	

All the tables are in 3NF, as there are no partial and transitive dependencies.