

Chapter 3

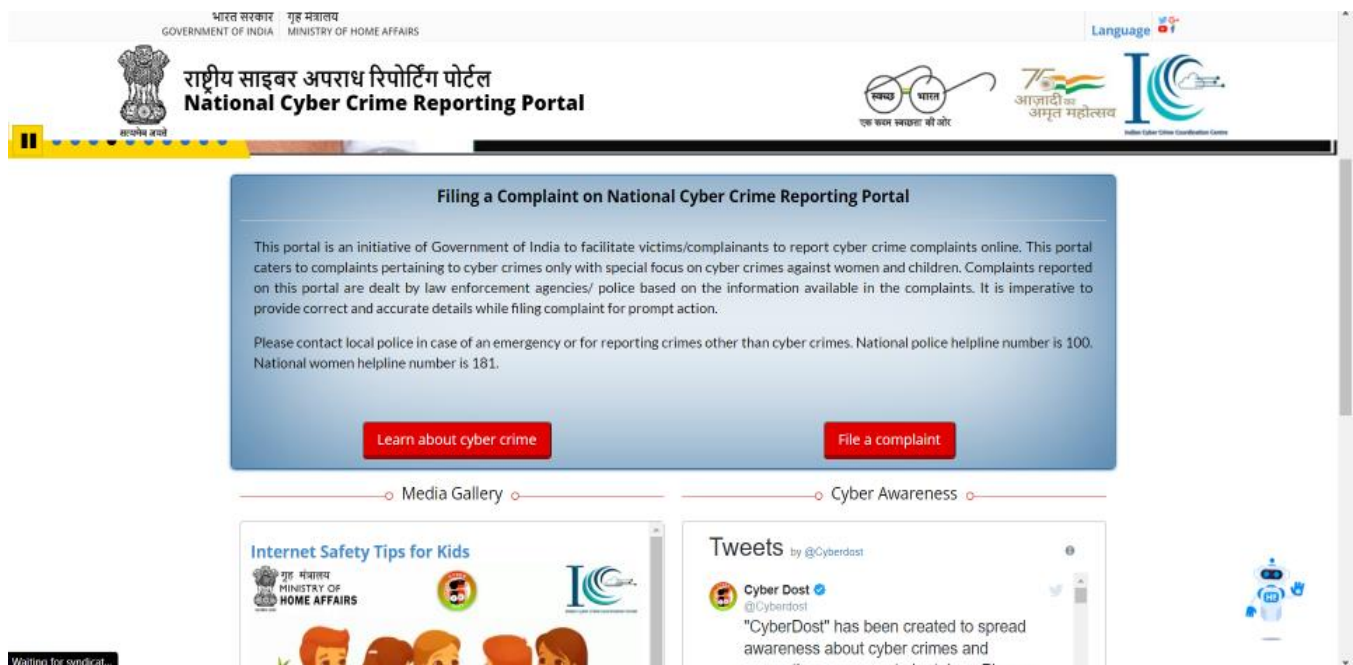
System Analysis

3.1 Study of Current System and Requirement of this System



3.1.1 Study of Current System

- This application does not allow users to recover their passwords.
- It is not going to allow users to ignore or remove their crime reports.
- It would also not allow changing in their profile.
- It is not fully secured as anyone can visit anyone's profile.

3.1.1 Study of Current System Screenshots








Cyber Crime Unit
Delhi Police
Intelligence Fusion
& Strategic
Operations

HOME REPORT A CYBER CRIME CYBER CRIMES CYBER SAFETY CONTACT US PHOTO GALLERY

Cyber Crime



DOCUMENTS REQUIRED TO MAKE A COMPLAINT

In Email related Complaints

3.2 Data Dictionary

3.2.1 Casefile Data Table

SQLyog Community 64 - [mysql/onlinecrimereporting - root@localhost]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

mysql

Filter tables in onlinecrimereporting

root@localhost
cms_db
information_schema
mysql
onlinecrimereporting
Tables
casefile
hibernate_sequence
police
user
Views
Stored Procs
Functions
Triggers
Events
performance_schema
phpmyadmin
prac17
practical15
practical16
practical18
sakila
sys
world

No nag screens on startup and shutdown : Reason #1 to upgrade

Query 1 Query 2 Query 3 Query 4 Query 5 Query 6 History casefile x +

Table Name: casefile Engine: InnoDB Database: onlinecrimereporting Character Set: utf8mb4 Collation: utf8mb4_0900_ai_ci

1 Columns 2 Indexes 3 Foreign Keys 4 Check Constraint 5 Advanced 6 SQL Preview

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment	Virtuality	Expression	Check Constraint
casefile_id	int				<input checked="" type="checkbox"/>						(none)		
agreement	bit	1			<input checked="" type="checkbox"/>						(none)		
evidence_pic	varchar	255			<input checked="" type="checkbox"/>						(none)		
crime_disc	longtext				<input checked="" type="checkbox"/>						(none)		
occurrence_address	varchar	255			<input checked="" type="checkbox"/>						(none)		
occurrence_date	date				<input checked="" type="checkbox"/>						(none)		
occurrence_time	varchar	255			<input checked="" type="checkbox"/>						(none)		
type_of_crime	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_birthdate	date				<input checked="" type="checkbox"/>						(none)		
victim_mobile	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_name	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_relative	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_address	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_district	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_nationality	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_passport	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_ps	varchar	255			<input checked="" type="checkbox"/>						(none)		
victim_uid_no	varchar	255			<input checked="" type="checkbox"/>						(none)		
user_user_id	int				<input checked="" type="checkbox"/>						(none)		
fir_status	varchar	255			<input checked="" type="checkbox"/>						(none)		
officer_comment	varchar	255			<input checked="" type="checkbox"/>						(none)		

Save Revert

Ready Connections: 1 Upgrade to SQLyog Ultimate

3.2.2 User Data Table

SQLyog Community 64 - [mysql/onlinecrimereporting - root@localhost]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

mysql

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No nag screens on startup and shutdown : Reason #1 to upgrade

Query 1 Query 2 Query 3 Query 4 Query 5 Query 6 History casefile Query 7 user x +

Table Name: user Engine: InnoDB Database: onlinecrimereporting Character Set: utf8mb4 Collation: utf8mb4_0900_ai_ci

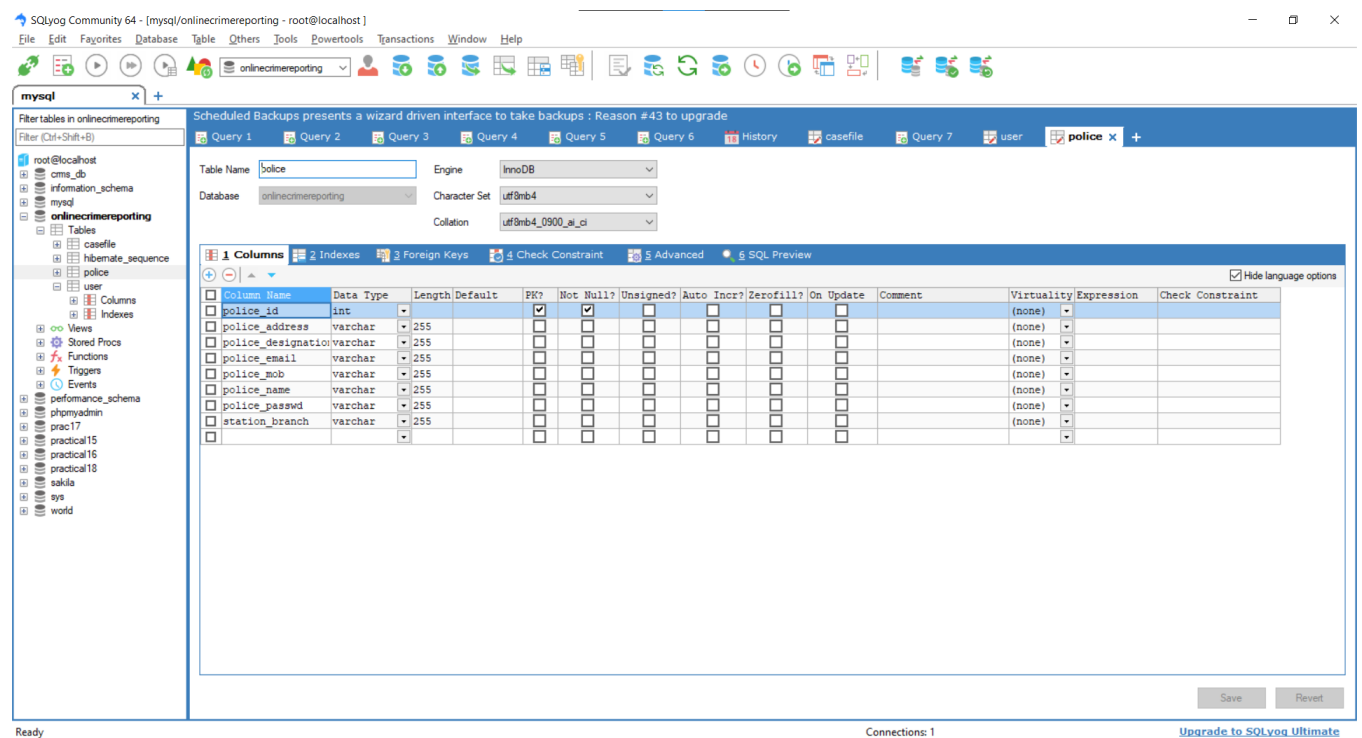
1 Columns 2 Indexes 3 Foreign Keys 4 Check Constraint 5 Advanced 6 SQL Preview

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment	Virtuality	Expression	Check Constraint
user_id	int				<input checked="" type="checkbox"/>						(none)		
enabled	bit	1			<input checked="" type="checkbox"/>						(none)		
role	varchar	255			<input checked="" type="checkbox"/>						(none)		
user_address	varchar	100			<input checked="" type="checkbox"/>						(none)		
user_email	varchar	35			<input checked="" type="checkbox"/>						(none)		
user_idcard_imgur	varchar	255			<input checked="" type="checkbox"/>						(none)		
user_idcard_no	varchar	12			<input checked="" type="checkbox"/>						(none)		
user_imgurl	varchar	255			<input checked="" type="checkbox"/>						(none)		
user_mobile	varchar	10			<input checked="" type="checkbox"/>						(none)		
user_name	varchar	15			<input checked="" type="checkbox"/>						(none)		
user_passwd	varchar	100			<input checked="" type="checkbox"/>						(none)		

Save Revert

Ready Connections: 1 Upgrade to SQLyog Ultimate

3.2.3 Police Data Table



3.3 Modules and Their Description of System

TOTAL MODULE	
LOGINPAGE.....	1
MAIN PAGE.....	2
ADMIN PAGE.....	3
USER PAGE.....	4
OFFICER PAGE.....	5

I. Login Page

- It is a basic login page where the user is allowed to access the webpage only if it's valid.
- And also we are filtering the admin and local user for more features availability (Admin Part)

II. Main Page

- The main page is divided into 3 main parts.
 1. Login User Details
 2. Question Writing Area/Text area
 3. Previous Question List

III. Admin Page

- All control of the webpage is available here from answering the question blocking user. And selecting teachers for each subject and semester.
 1. Add/Update/Display/Delete Police Officer (Police Station)
 2. Add/Update/Display/Delete Citizen (User)
 3. Update/Display/Delete Complaint
 4. View/Delete Complaints Status
 5. View/Delete Emergency Complaint
 6. View Query
 7. View Feedback

IV. User Page

- The user can register himself and register fir and can update his profile and can track his fir status.
 1. Registration and login page
 2. Notify to your near police station
 3. Awareness about cyber hygiene
 4. Complain anonymously
 5. Add/update/delete complains
 6. Uploading system for files like photos, pdf, etc.
 7. Proper guidance to problem solutions
 8. Tracking to your complain