

ERD

(Entity Relationship Diagram)



Database Tables



Database Tables

| APPLICANT | |
|----------------|--------------|
| <u>APPLYNO</u> | NUMBER(10) |
| ID | VARCHAR2(20) |
| NAME | VARCHAR2(30) |
| PW | VARCHAR2(20) |
| GENDER | VARCHAR2(10) |
| PR_ADRESS | VARCHAR2(50) |
| PERM-ADRESS | VARCHAR2(50) |
| FATHER_NAME | VARCHAR2(30) |
| MOTHER_NAME | VARCHAR2(30) |
| PHONE NUMBER | VARCHAR2(20) |
| PIC | BLOB |

Triggers



Prevent Changes

| | | | |
|--------------------------|-------------------|---------------------------------|--|
| Trigger Name | | Update_conf_status | |
| Time of Execution | | AFTER UPDATE on CASEBOOK | |
| Actions | | | Remarks |
| Commands | Attributes | Tables | |
| UPDATE | Case_Cstatus | CaseInvestgation | Prevent the update of confidential criminal info from being updated to complainer table as case status |

Audit Changes

| | | | |
|--------------------------|-----------------------------------|---------------------------|--|
| Trigger Name | | App_reject | |
| Time of Execution | | when the case is rejected | |
| Actions | | | Remarks |
| Commands | Attributes | Tables | |
| INSERT | Case_app_serial, GD_app_serial | RejectionTable | Keeping a log of the users and roles involved in changes may save the system from future hazards.(reducing pervasive corruption) |

Functions



Listing of Probable CIs

| | |
|---|---|
| Procedure Name | List_CI's |
| Time of Execution | OC executes this function when a case is forwarded to him & he need to assign the case to a probable CI |
| Input | AuthorizedID |
| Output | CI_list |
| Apply on | PoliceProfile, Casebook,Psframe |
| | |
| Actions | Remarks |
| Select thana from PSFRAME Select SI's,ASI's from POLICEPROFILE Select Case_status from CaseBook | First, select thana corresponding to AuthorizerID from PSFRAME, then Find all ASI & SI of that Thana from POLICEPROFILE, last make the list according to the case status. |