

Record Management System

Milestone: Relational Model

Group 3

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Percentage of Effort Contributed by Student1: 50%

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Signature of Student 1: Gudipalli Sri Sai Prabhath Reddy

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Relational Model for Record Management System

Case (CaseID, Case Description, Assigned Officers, Case Status)

Primary key: CaseID

Involved (CaseID, SuspectID)

Foreign keys: CaseID, SuspectID ; NOT NULL

CaseID referring to the primary key in the Entity Case; SuspectID referring to the primary key in the Entity Suspect.

Suspect (SuspectID, SuspectName, SuspectDOB, SuspectAddress, CriminalRecord)

Primary key: SuspectID

Administrative Document (DocumentID, Description, CaseID)

Primary key: DocumentID;

Foreign key: CaseID; NOT NULL

CaseID referring to the primary key in the Entity Case

Victim (VictimID, VictimName, VictimContact, VictimStatement, CaseID)

Primary key: VictimID;

Foreign key: CaseID; NOT NULL

CaseID referring to the primary key in the Entity Case

Evidence (EvidenceID, EvidenceType, ChainOfCustody, EvidenceDescription, StorageLocation, CaseID)

Primary key: EvidenceID;

Foreign key: CaseID; NOT NULL

CaseID referring to the primary key in the Entity Case

Incident (IncidentID, IncidentLocation, IncidentStatus, IncidentDate, IncidentTime, CaseID)

Primary key: IncidentID;

Foreign key: CaseID; NOT NULL

CaseID referring to the primary key in the Entity Case

AssignedTo (CaseID, OfficerID)

Foreign keys: CaseID, OfficerID; NOT NULL

CaseID referring to the primary key in the Entity Case; OfficerID referring to the primary key in the Entity Officer.

Officer (OfficerID, OfficerName, OfficerContact, OfficerRank, BadgeNumber, VehicleID, ScheduleID, UserID)

Primary key: OfficerID;

Foreign keys: VehicleID, ScheduleID, UserID; NOT NULL

VehicleID referring to the primary key in the Entity Vehicle; ScheduleID referring to the primary key in the Entity Schedule; UserID referring to the primary key in the Entity User.

User (UserID, RoleBasedAccess, Password)

Primary key: UserID

Access Rights (AccessID, AccessName, AccessLevel, UserID)

Primary key: AccessID;

Foreign keys: UserID; NOT NULL

UserID referring to the primary key in the Entity User

Vehicle (VehicleID, VehicleModel, LicencePlateNumber, MaintenanceHistory)

Primary key: VehicleID

Shift Schedule (ScheduleID, ShiftDates, ShiftTime)

Primary key: ScheduleID