**Table and Attribute Summaries (Version 2)**

**Based on: Logical Schema, Version 3**

**Table Dentist:** This table stores details of Dentists who work at the office. The table has a one-to-one correspondence with concepts of the same name in the ER schema.

**Summary**

|  |  |
| --- | --- |
| **Table** | Dentist |
| **ER origin** | Dentist |
| **Primary Key** | ID |
| **Foreign Keys** | None |
| **Uniqueness constraint** | None |

**Attributes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Range** | **Required/**  **Optional** | **Derived/**  **Stored** |
| ID | INTEGER | > 0 | Required | Stored |
| Name | VARCHAR(30) | Not empty | Required | Stored |

**Table Assistant:** This table stores details of dental assistants who work at the office. The table has a one-to-one correspondence with concepts of the same name in the ER schema.

**Summary**

|  |  |
| --- | --- |
| **Table** | Assistant |
| **ER origin** | Assistant |
| **Primary Key** | ID |
| **Foreign Keys** | None |
| **Uniqueness constraint** | None |

**Attributes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Range** | **Required/**  **Optional** | **Derived/**  **Stored** |
| ID | INTEGER | > 0 | Required | Stored |
| Name | VARCHAR(30) | Not empty | Required | Stored |

**Table Appointment:** This table stores details of the appointments created between a patient, dentist, procedure, and possibly dental assistant. The table has a one-to-one correspondence with concepts of the same name in the ER schema.

**Summary**

|  |  |
| --- | --- |
| **Table** | Appointment |
| **ER origin** | Appointment |
| **Primary Key** | DentistID, PatientID, DateOfService, TimeIn |
| **Foreign Keys** | DentistID references Dentist.ID |
|  | PatientID references Patient.ID |
| **Uniqueness constraint** | None |

**Attributes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Range** | **Required/**  **Optional** | **Derived/**  **Stored** |
| ID | INTEGER | > 0 | Required | Stored |
| DateOfService | DATE |  | Required | Stored |
| TimeIn | TIME |  | Required | Stored |
| TimeOut | TIME | After TimeIn | Required | Stored |
| PatientID | INTEGER | >0 | Required | Stored |
| DentistID | INTEGER | >0 | Required | Stored |
| Procedure | VARCHAR(30) | >0 | Required | Stored |
| AssistantID | INTEGER | >0 | Optional | Stored |

**Table Procedure:** This table stores details of procedures offered at the dental office. The table has a one-to-one correspondence with concepts of the same name in the ER schema.

**Summary**

|  |  |
| --- | --- |
| **Table** | Procedure |
| **ER origin** | Procedure |
| **Primary Key** | Name |
| **Foreign Keys** | None |
| **Uniqueness constraint** | None |

**Attributes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Range** | **Required/**  **Optional** | **Derived/**  **Stored** |
| Name | VARCHAR(30) | Not empty | Required | Stored |
| Cost | INTEGER | None | Required | Stored |

**Table Patient:** This table stores details of the patients of the dental office. The table has a one-to-one correspondence with concepts of the same name in the ER schema.

**Summary**

|  |  |
| --- | --- |
| **Table** | Patient |
| **ER origin** | Patient |
| **Primary Key** | ID |
| **Foreign Keys** | None |
| **Uniqueness constraint** | None |

**Attributes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Range** | **Required/**  **Optional** | **Derived/**  **Stored** |
| ID | INTEGER | > 0 | Required | Stored |
| Name | VARCHAR(30) | Not empty | Required | Stored |
| Street | VARCHAR(40) | Not empty | Required | Stored |
| City | VARCHAR(30) | Not empty | Required | Stored |
| State | CHAR(2) | Not empty | Required | Stored |
| Zip | CHAR(5) | Not empty | Required | Stored |
| DateOfBirth | DATE |  | Required | Stored |
| DentalInsurance | VARCHAR(50) |  | Optional | Stored |

**View AssistantHoursWorked:** This viewrepresens the current hours worked for every assistant who worked that pay period (weekly).

**Summary**

|  |  |
| --- | --- |
| **Table** | AssistantHoursWorked |
| **ER origin** | Not in ER diagram: in logical schema |
| **Primary Key** | None |
| **Foreign Keys** | None |
| **Uniqueness constraint** | None |

**Attributes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Range** | **Required/**  **Optional** | **Derived/**  **Stored** |
| ID | INTEGER | > 0 | Required | Derived |
| Name | VARCHAR(30) | Not empty | Required | Derived |
| hours\_worked | INTEGER | Not empty | Required | Derived |