**PERSONAL\_DETAILS**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraints** |
| User\_id | |  | | --- | | VARCHAR (Primary Key) |  |  | | --- | |  | | Unique |
| First\_Name | VARCHAR | Required |
| Middle\_Name | VARCHAR | Optional |
| Last\_Name | VARCHAR | Required |
| Phone\_no | |  | | --- | | VARCHAR (Unique) | | Required |
| Mail\_id | VARCHAR (Unique) | Required |
| Password | VARCHAR | Required |
| Profile\_Pic | |  | | --- | |  |  |  | | --- | | VARCHAR (File Path) | | Optional |

**RICH\_DATA\_COLLECTION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraints** |
| User\_id | |  | | --- | | VARCHAR (Primary Key, Foreign Key) |  |  | | --- | |  | | Required |
| Age | INTEGER | Required |
| Blood\_Group | |  |  | | --- | --- | | VARCHAR(3) |  | | Required |
| Height | FLOAT | Required |
| Weight | FLOAT | Required |
| Symptoms | VARCHAR | Optional |

**PAST\_MEDICAL\_HISTORY**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraints** |
| History\_ID | |  | | --- | | INTEGER (Primary Key, Auto Increment) |  |  | | --- | |  | | Unique |
| User\_id | VARCHAR (Foreign Key) | Required |
| Medical\_History | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | | VARCHAR | | Required |
| Age | INTEGER | Required |
| Blood\_Group | |  | | --- | |  |  |  | | --- | | VARCHAR(3) | | Required |

**FORM\_PAGE**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraints** |
| User\_id | |  | | --- | | VARCHAR (Primary Key, Foreign Key) |  |  | | --- | |  | | Required |
| Radius | FLOAT | Required |
| Texture | |  | | --- | |  |  |  | | --- | | FLOAT | | Required |
| Smoothness | FLOAT | Required |
| Area | FLOAT | Required |
| Compactness | FLOAT | Required |
| Concavity | FLOAT | Required |

**UPLOAD\_IMAGE**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraints** |
| User\_id | |  | | --- | |  |  |  | | --- | | VARCHAR (Foreign Key**)** | | Required |
| Mammogram\_Image | VARCHAR (File Path) | Required |

**HTTP REQUESTS**

1. **Sign-In Page: GET request (Fetch user details from database).**
2. **Sign-Up Page: POST request (Create a new user).**
3. **Rich Data Collection: POST request (Store medical and biometric data).**
4. **Past Medical History: POST request (Store multiple medical records).**
5. **Form Page: POST request (Store input values for diagnosis).**
6. **Upload Image: POST request (Upload and store image path in DB).**