**Data Modeling**

1. **Physical Data Model**

* **Card**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **PK** | **FK** | **Column Name** | **Data type** | **Mandatory** | **Description** |
| **1.** | X |  | id | Integer | Yes | ID |
| **2.** |  |  | cardCode | VARCHAR | Yes | Card’s Code |
| **3.** |  |  | cardName | VARCHAR | Yes | Name of the card’s owner |
| **4.** |  |  | cvvCode | INT | YES | CVV Code of the Card |
| **5** |  |  | dateExpired | VARCHAR | YES | Card’s Expiration Date |

* **PaymentCard**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **PK** | **FK** | **Column Name** | **Data type** | **Mandatory** | **Description** |
| **1.** | X | X | PaymentID | Integer | Yes | Payment ID |
| **2.** | X | X | CardID | Integer | Yes | Card ID |