|  |  |  |
| --- | --- | --- |
| Symptom\_ID  SYMPTOM | SymptomDescription | SymptomName |

CR-SYMPTOM

|  |  |
| --- | --- |
| Symptom\_ID | Type\_ID |

CANCER TYPE

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type\_ID | Stage | Location |

CR-PATIENT

|  |  |
| --- | --- |
| Type\_ID | Patient\_ID |

PATIENT

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Patient\_ID | DateAdmitted | DateDischarged | DateOfBirth | Gender | Address | Phone | CNIC | History |

PT-TREATMENT

|  |  |
| --- | --- |
| Treatment\_ID | Patient\_ID |

TREATMENT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Treatment\_ID | Stage | Therapy | Medication | Diagnosis | TreatmentName |

CR\_TREATMENT

|  |  |
| --- | --- |
| Treatment\_ID | Type\_ID |

MUTATION

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Type\_ID | Celltype | ChromosomalLocation | MutationEffect | MutationType | Gene\_IID | GeneName |

|  |  |
| --- | --- |
| Gene\_ID | Factor\_ID |

|  |  |  |  |
| --- | --- | --- | --- |
| Factor\_ID | FactorName | FactorDescription | M\_ID |

M\_ FACTOR

FACTOR

**Logical Data Model**