|  |  |
| --- | --- |
| 1 | ID |
| Patient Info | NAME |
| External Entity: Patient | SOURCE |
| Process: Book An Appointment | DESTINATION |
| Form | TYPE |
| 2 hours | TIME |
| Reception staff take information from patient to book an appointment | COMMENT |
| Patient Data STRUCTURE | DATA  STRUCTURE |

Patient Data =patient\_Id + patient Name

|  |  |
| --- | --- |
| Patient\_id | NAME |
| 20 | LENGTH |
| 9[20] | INPUR FORMAT |
| 9[20] | OUTPUT FORMAT |
| Null | DEFAULTE VALUE |
| Discreate | CONTINUES/DISCREATE |
| numerical | TYPE |
| BASE | BASE/DERIVED |
| 30 | UPPER LIMIT |
| 10 | LOWER LIMIT |

|  |  |
| --- | --- |
| Patient\_Name | NAME |
| 30 | LENGTH |
| x[20] | INPUR FORMAT |
| x[25] | OUTPUT FORMAT |
| Null | DEFAULTE VALUE |
| CONTINUES | CONTINUES/DISCREATE |
| Alphapetic | TYPE |
| BASE | BASE/DERIVED |
| 30 | UPPER LIMIT |
| 10 | LOWER LIMIT |

|  |  |
| --- | --- |
| 2 | ID |
| Doctor Info | NAME |
| External Entity:Doctor | SOURCE |
| Datastore :doctors | DESTINATION |
| File | TYPE |
| An hour | TIME |
| Taking information to calculate the salary | DESCRIPTION |

Doctor Data= doctor\_name ( DATA STRUCTURE)

|  |  |
| --- | --- |
| Doctor\_Name | NAME |
| char | Data type |
| 40 | LENGTH |
| x[40] | INPUR FORMAT |
| x[40] | OUTPUT FORMAT |
| No name | DEFAULTE VALUE |
| Discreate | CONTINUES/DISCREATE |
| Alphapetic | TYPE |
| BASE | BASE/DERIVED |
| 30 | UPPER LIMIT |
| 10 | LOWER LIMIT |

|  |  |
| --- | --- |
| 3 | ID |
| Medicine Bill | NAME |
| Process: Buy medicine | SOURCE |
| Process: Pay Bill Medicine | DESTINATION |
| Internal | TYPE |
| 2hour | TIME |

Data structure

Medicine Bill Data = Medicine code + Medicine name

|  |  |
| --- | --- |
| Medicine code | NAME |
|  |  |
| 10 | LENGTH |
| 9[10] | INPUR FORMAT |
| 9[10] | OUTPUT FORMAT |
| Null | DEFAULTE VALUE |
| Discreate | CONTINUES/DISCREATE |
| numerical | TYPE |
| DERIVED | BASE/DERIVED |
| 30 | UPPER LIMIT |
| 10 | LOWER LIMIT |

|  |  |
| --- | --- |
| Medicine Name | NAME |
|  |  |
| 30 | LENGTH |
| X[30] | INPUR FORMAT |
| X[30] | OUTPUT FORMAT |
| NULL | DEFAULTE VALUE |
| CONTINUES | CONTINUES/DISCREATE |
| Alphapetic | TYPE |
| BASE | BASE/DERIVED |
| 30 | UPPER LIMIT |
| 10 | LOWER LIMIT |

|  |  |
| --- | --- |
| 4 | ID |
| Report with Salaries | NAME |
| Process :pay Salaries | SOURCE |
| Datastore :Accountant | DESTINATION |
| File | TYPE |
| 3hour | TIME |

|  |  |
| --- | --- |
| 5 | ID |
| Doctors | NAME |
| External Entity: Doctor | SOURCE |
| Process: Pay Salaries | DESTINATION |
| internal | TYPE |
| 1 hour | TIME |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **id** | **phone** | **salary** | **gendre** | **specialization** | **birthdate** | **address** | **name** |  |
| **int** | **varchar** | **money** | **char** | **char** | **date** | **nvarchar** | **nvarchar** | **Data typy** |
| **64** | **100** | **200** | **50** | **100** | **100** | **50** | **100** | **size** |