SOFTWARE AND TOOLS USED:

* Development framework: Java 2
* Development Environment: Eclipse Helios
* Database Management System: MySQL 5.0
* Object-Relational Mapping: Hibernate 3
* Interface Design: Google’s Web Toolkit and Window Builder

ARCHITECTURAL STANDARDS:

* Hashing algorithm: SSH
* Query language: HQL

Entity:

**Definition**

Explanation:

Definition stores value of statuses, types and specific roles within the system.

|  |  |  |
| --- | --- | --- |
| **Definition Type** | **Key** | **Value** |
| LOC\_TYPE | CLINIC | CLINIC |
| LOC\_TYPE | HOSPITAL | HOSPITAL |
| LOC\_TYPE | RESIDENCE | RESIDENCE |
|  |  |  |
| P\_STATUS | OBSERVE | UNDER OBSERVATION |
| P\_STATUS | TREATMENT | UNDER TREATMENT |
| P\_STATUS | CURED | CURED |
| P\_STATUS | EXPIRED | EXPIRED |
| P\_STATUS | CRITICAL | CRITICAL CONDITION |
|  |  |  |
| ENC\_TYPE | INSPECTION | INSPECTION |
| ENC\_TYPE | TEST | MEDICAL TEST |
| ENC\_TYPE | VISIT | GENERAL PRACTITIONER VISIT |
|  |  |  |
| BEN\_GROUP | GP | GENERAL PRACTITIONER |
| BEN\_GROUP | CHW | COMMUNITY HEALTH WORKER |
| BEN\_GROUP | PATIENT | PATIENT |
|  |  |  |
| ROLE | GP | GENERAL PRACTITIONER |
| ROLE | PATIENT | PATIENT |
| ROLE | CHW | COMMUNITY HEALTH WORKER |
| ROLE | SUPERVISOR | SUPERVISOR |
| ROLE | MANAGER | MANAGER/ADMINISTRATOR |
|  |  |  |
| TB\_CAT | CAT1 | CATEGORY 1 |
| TB\_CAT | CAT2 | CATEGORY 2 |
|  |  |  |
| TB\_SITE | E | E |
| TB\_SITE | EP | EP |
|  |  |  |
| P\_TYPE | NEW | NEW PATIENT |
| P\_TYPE | RELAPSE | RELAPSE? |
| P\_TYPE | TRANSFER | TRANSFERRED FROM OTHER |
| P\_TYPE | TREATMENT | ON TREATMENT |
| P\_TYPE | TREAT\_FAIL | TREATMENT AFTER FAILURE |
|  |  |  |
| CRITERIA | COUGH | COUGH FOR MORE THAN 3 WEEKS |
| CRITERIA | FEVER |  |
| CRITERIA | WEIGHT | WEIGHT LOSS |
| CRITERIA | SWEATS | NIGHT SWEATS |
| CRITERIA | HAEMOPYT | HAEMOPYTSIS |
|  |  |  |
|  |  |  |

Entity:

**Role**

Explanation:

Role defines Active role of a Person in system. Like: GP, PATIENT, CHW, SUPERVISOR, MANAGER

Entity:

**Schedule**

Explanation:

Describes schedule for any Entity in the system:

Period: SECONDLY, MINUTELY, HOURLY, DAILY, WEEKLY, BI-WEEKLY, MONTHLY, BI-MONTHLY, QUARTERLY, HALF-YEARLY, ANNUALLY

Shift: EARLY (6-9am), MORNING, AFTERNOON, EVENING, NIGHT, MID-NIGHT, OFF-SHIFT (12pm-6am)

Time Slice: xx:xx am/pm to xx:xx am/pm