# SUWA SEWANA HEALTH CARE SYSTEM

## SCS1203 - TAKE HOME ASSIGNMENT - SCENARIO 2

#### PREPARED BY

## **GROUP 28**

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#### **ASSUMPTIONS**

- 1. Every patient get treatment from the hospital at least once.
- 2. Every patient who comes to the hospital get diagnosed.
- 3. Every patient who admitted to the hospital as a in patient of the hospital, gets a bed.
- 4. Personal details of patients are recorded by nurses.
- 5. In patient daily records and out patient record are stored in two separate tables.
- 6. "Insurance\_no" in insurance relation and "treatmentID" in treatment relation are added to identify each record more uniquely.

#### INDIVIDUAL CONTRIBUTION

| ER Diagram                         | MADARASINGHE J P  | 20001061 |
|------------------------------------|-------------------|----------|
|                                    | MANOHARAN K       | 20001101 |
|                                    | MATHAGADEERA D D  | 20001126 |
| Relation Mapping                   | MADARASINGHE J P  | 20001061 |
|                                    | MADHUSHAN A K D T | 20001088 |
| Database Design and Implementation | MADARASINGHE J P  | 20001061 |
|                                    | MANOHARAN K       | 20001101 |
| System Implementation and Testing  | MADARASINGHE J P  | 20001061 |
|                                    | MANOHARAN K       | 20001101 |

#### **USER ROLES**

| USER ROLES                              | LOGIN CREDENTIALS (FOR TESTING) |          |  |
|---|---------------------------------|----------|--|
| OSEN NOLES                              | Username                        | Password |  |
| Management - By Madarasinghe J P        | madarasingheJP                  | J1001    |  |
| Supply Management - By Mathagadeera D D | mathagadeeraDD                  | D1004    |  |
| Nurse – By Manoharan K                  | manoharanK                      | K1002    |  |
| Doctor – Madushan A K D T               | MadushanAKDT                    | A1003    |  |

### Relational Mapping

```
employee ( employeeID, name, address, working_status, contact_no, type, job_type )
nurse ( <a href="mailto:employeeID">employeeID</a>, med_council_reg_no, medC_joined_date, medC_resigned_date)
             FK / NN
doctor ( employeelD, DEA_no, speciality, med_council_reg_no, medC_joined_date, medC_resigned_date)
              FK/NN
attendent ( employeeID, hourly_charge_rate )
cleaner ( <a href="mailto:employeeID">employeeID</a>, contract_no, start_date, end_date )
word_employee ( employeeID, wordID, hours_per_week )
unit_employee ( <u>employeeID, unitID</u>, hours_per_week )
diagnostic_unit ( unitID, unit_name, managed_by )
word ( wordID, word_name, managed_by )
bed ( bedID, wordID )
patient ( patientID, name, dob, type )
out_patient ( <u>patientID</u>, arrived_date, Arrived_time )
in_patient ( patientID, BedID, dob )
                         FK / NN
emegency_contact ( patientID, first_name, last_name, relationship, address, contact_no )
                            FK/NN
insurence (insurance no, patientID, company_name, branch_name, contact_no, brach_address, sub_fname, sub_lname,
               sub_relationship, sub_contact_no, sub_address )
out_patient_record (patientID_recorded_date_recorded_time, pulse, blood_presure, weight, temperature, symptoms, recorded_by)
in_patient_daliy_record (patientID, recorded_date, recorded_time, pulse, blood_presure, weight, temperature, symptoms, recorded_by)
patient_assign_to ( patientID, wordID, admit_date, admit_time, discharged_date, discharged_time )
patient_admit ( patientID, admit_by )
```

