name address contact_no <u>id</u> Supplier reg_no location Shelf unit_cost Supplies total_cost date_time Department Stores Has Medication Category Medication address contact_no **Employee** hire_date status termination_date reg_no Prescripted Medication date_time Sales Associate Pharmacist Diagnose details Diagnosis Report name date_time name Condition details date_time <u>id</u> (Dispenses <u>id</u> total_cost **Patient** name Purchase ` date_time dob address **Delivers** date_time qty

Mappings

- 1. Department(<u>id</u>, name)
- 2. $Employee(\underline{\textit{id}}, name, address, contact_no, status, reg_no, termination_date, \\$
- hire_date, department)
- 3. MedicationCategory(\underline{id} , name)
- 4. Shelf(<u>id</u>, location)
- 5. Medication(<u>id</u>, name, category,shelf)6. Suppplier(<u>id</u>, name, address, contact_no, reg_no)
- 7. Supply(<u>medication</u>, <u>supplier</u>, qty, unit_cost, total_cost, date_time)
- 8. Patient(<u>id</u>, name, dob, email)
- 9. Condition($\underline{\text{id}}$, name, details, date_time, **pharmacist**, **patient**)
- 10. DiagnosisReport(<u>code</u>, name, details, date_time, **pharmacist**)
- 11. Diagnosis Condition(<u>diagnosis report, condition</u>)12. Prescription(<u>id</u>, pharmacist, diagnosis)
- 13. PrescriptionMedication(prescription, medication)
- 14. Dispense(medication, patient, qty, date_time)
- 15. DirectPurchase(<u>medication</u>, <u>patient</u>, qty, date_time, total_cost)
- 16. Delivery(<u>medication, patient</u>, qty, date_time, address)

Assumptions

- 1. Employee belongs to one department
- 2. Medication belongs to one category
- 3. Medication can be stored in one shelf4. Email field is recorded for patient
- 5. Medication has a name