

The diagram is an Entity-Relationship (ER) model for a hospital database. It consists of the following entities and their attributes:

- NURSE** (Entity): Attributes include nurse_id, first_name, last_name, Street, City, State, Zip, Phone, alternate_phone, Email, and supervised_by.
- NURSE_CERTIFICATIONS** (Entity): Attributes include Certified_id, certifies_field, remarks, and nurse_id.
- NURSE_WARD_MAPPINGS** (Entity): Attributes include date, hours_spent, Nurse_id, and ward_number.
- WARD** (Entity): Attributes include designated number, descriptive name, physical location, phone number, and charge_nurse.
- PATIENT_CARE** (Entity): Attributes include shift_date, start_time, end_time, patient_id, and nurse_id.
- PATIENTS** (Entity): Attributes include patient_id, name, gender, dob, phone, alternative_phone, email, and [age].
- PATIENT_BED_MAPPING** (Entity): Attributes include assigned_date, discharged_date, Bed_num, and patient_id.
- BEDS** (Entity): Attributes include bed_num, {size}, {type}, {status}, and ward_id.
- DOCTORS** (Entity): Attributes include doctor_id, name, address, phone, alternative_phone, and email.
- PATIENT_TREATMENTS** (Entity): Attributes include reference_id, charged_date, Remarks, Quantity, charge_total, patient_id, and item_id.
- TREATMENTS** (Entity): Attributes include treatment_id, name, charge, date, and description.
- PATIENT_CHARGE_ITEMS** (Entity): Attributes include date, remarks, quantity, charge_total, patient_id, and item_id.
- ITEMS** (Entity): Attributes include item_id, charge, and name.
- SPECIALITIES** (Entity): Attributes include specialized_id, specialized_field, remarks, and doctor_id.

Relationships are indicated by lines with crow's foot notation:

- NURSE** to **NURSE_CERTIFICATIONS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- NURSE** to **NURSE_WARD_MAPPINGS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- NURSE** to **PATIENTS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- NURSE** to **PATIENT_CARE**: One-to-many relationship with a mandatory one end and a mandatory many end.
- WARD** to **PATIENT_BED_MAPPING**: One-to-many relationship with a mandatory one end and a mandatory many end.
- WARD** to **BEDS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- DOCTORS** to **PATIENT_TREATMENTS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- PATIENTS** to **PATIENT_TREATMENTS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- PATIENTS** to **PATIENT_BED_MAPPING**: One-to-many relationship with a mandatory one end and a mandatory many end.
- PATIENTS** to **PATIENT_CHARGE_ITEMS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- PATIENT_TREATMENTS** to **TREATMENTS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- PATIENT_CHARGE_ITEMS** to **ITEMS**: One-to-many relationship with a mandatory one end and a mandatory many end.
- DOCTORS** to **SPECIALITIES**: One-to-many relationship with a mandatory one end and a mandatory many end.

****green: foreign key**