IT Repository Management

Entity-Relationship Diagram for IT Repository Management.

Entities and attributes:

- **Vendor**: vendor_id (key), vendor_name, phone, address
- **Item**: item_id (key), cost, shipment_cost, replaced, complaint, purchase_date, item_name, manufacturer
- **Complaints**: complaint_id (key), cost, complaint_date, resolved_date
- **Location**: location_id (key), location_name
- **Hardware**: serial_number (key), warranty_period, mfg_date
- **Licensed**: licensed_key (key), reg_user, expiry_date
- **Freeware**

Relationships:

- **purchased_from**: Item (n) — Vendor (1)
- **Has**: Item (1) — Complaints (n)
- **From**: Complaints (n) — Location (1)
- **Installed**: Item (n) — Location (1)
- **replaced_item**: Item (1) — Item (n)

Specialization (d): Item is specialized into Hardware, Freeware, Licensed