**Trainee : Deepak Jaiswal**

**Project 2 -**  Dent-X Maxillofacial Hospital

**Rules**

You need cover at least 80% of features mentioned below, try to find out where you can implement them and how?

1. Data Modeling, Table Creation, Relationship Setup
2. Form, View designing
3. Form Validation using Business Rules/Java Scripts
4. Busines Process Flow
5. Canvas Pages (Responsive)
6. Power Automate Flows(Instant/Scheduled/Automated)
7. Actions/Workflow
8. Custom Workflow/Plugins
9. Charts/Dashboards
10. Implement Form/User/Team/Field Level Security wherever applicable

**Project -2 Dent-X Maxillofacial Hospital**

**Domain** – Healthcare

**Practitioner** – Dental Surgeon

**Application name** – Dent-X Maxillofacial Hospital

Requirements –

1. Patients which are advised to undergo a maxillofacial surgery are treated under this hospital
2. Hospital has a good OT setup with all required instruments, machines, and staff
3. During Surgery there are different people involved like Dental Surgeon, Anesthetist, Assistant Doctor, Scribe, Nurse, Cleaning Staff etc
4. Before any surgery patient has to undergo with pre-operating tests like Blood tests, Urine tests, ECG, 2D Echo, X-RAY etc
5. Patient those are above 50 for them 2D echo and ECG is mandatory
6. For females TSH (Thyroid) test is compulsory
7. The general procedure of hospital treatment involves patient in door admission (24 hours prior to operate), pre-operative tests, fitness consent from Physician, Cardiologist etc and post that patient has to be on without food (NPO) before 12 hours or operative procedure.
8. Post Operation surgeon will prescribe required medicine, patient will be kept in hospital as per required and later on all the details will be submitted for final billing for discharge

**Tables or Data Models need to be created**

1. Staff Details (It will include all the details of hospital staff like attendant, assistant doctor, nurse etc)
2. Facility Details (details about facility like ward/theatre, name, specialty, operating timings etc.)
3. Billing (patient billing details)
4. Patient details (personal information, admission and discharge details, prescribed medicines, disease details, admit location, insurance details etc.)
5. Carrier (Insurance company’s details)

**Custom API Scenario**:

Invoice received from agency for the ordered drugs/instruments should be processed and post payment relevant details should be communicated back to agency