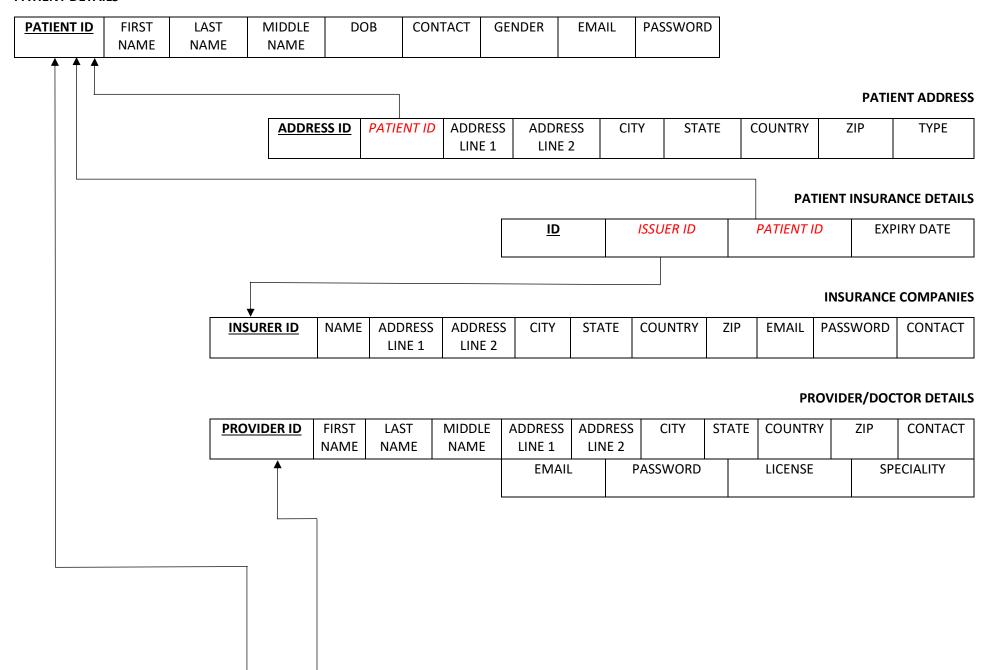
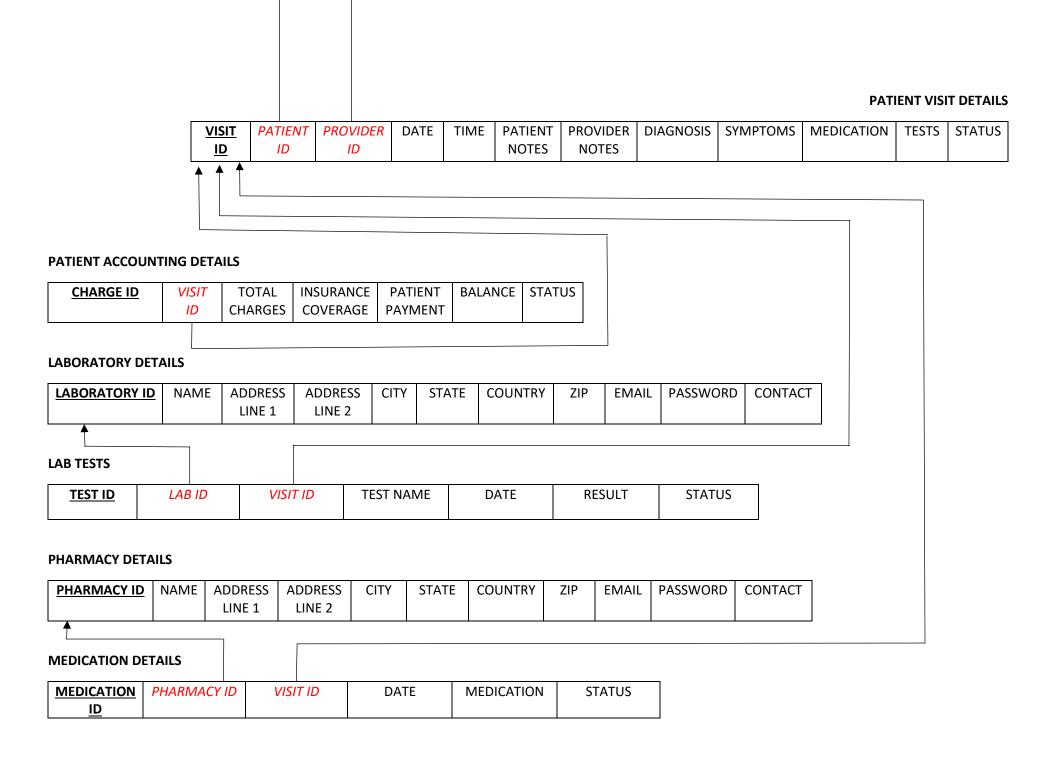
## **MAPPING TO RELATIONS**

## **PATIENT DETAILS**





## **RELATIONAL SCHEMA:**

In the above mapping, the EER from Phase- 2 is mapped to relations. Following are the conventions and coding rules:

- 1. Foreign keys are mentioned in red color (With the arrows mapped to the corresponding primary key).
- 2. Primary keys are **bold and underlined.**

## **CANDIDIATE KEYS AND FUNCTIONAL DEPENDENCIES:**

RELATION NAME	PRIMARY KEY	FOREIGN KEY(S)	CANDIDATE KEYS	FUNCTIONAL DEPENDENCIES
PATIENT DETAILS	PATIENT ID	-	CONTACT, EMAIL, PASSWORD	PATIENT ID -> FIRST NAME, LAST NAME, MIDDLE NAME, DOB, CONTACT, GENDER, EMAIL, PASSWORD.  {CONTACT, EMAIL, PASSWORD} -> PATIENT ID, FIRST NAME,
				LAST NAME, MIDDLE NAME, DOB, GENDER.
PATIENT INSURANCE DETAILS	ID	ISSUER ID, PATIENT ID	-	ID -> ISSUER ID, PATIENT ID, EXPIRY DATE.
PROVIDER DETAILS	PROVIDER ID	-	CONTACT, EMAIL, PASSWORD	PROVIDER ID -> FIRST NAME, LAST NAME, MIDDLE NAME, ADDRESS LINE 1, ADDRESS LINE 2, CITY, STATE, COUNTRY, ZIP, CONTACT EMAIL, PASSWORD, LICENSE, SPECIALITY.  {CONTACT, EMAIL, PASSWORD} -> PROVIDER ID, FIRST NAME, LAST NAME, MIDDLE NAME, ADDRESS LINE 1, ADDRESS LINE 2, CITY, STATE, COUNTRY, ZIP, LICENSE, SPECIALITY.

PATIENT VISIT DETAILS	VISIT ID	PATIENT ID, PROVIDER ID	-	VISIT ID -> PATIENT ID,
				PROVIDER ID, DATE, TIME,
				PATIENT NOTES, PROVIDER
				NOTES, DIAGNOSIS,
				SYMPTOMS, MEDICATION,
				TESTS, STATUS.
PATIENT ACCOUNT DETAILS	CHARGE ID	VISIT ID	-	CHARGE ID -> VISIT ID, TOTAL
				CHARGES, INSURANCE
				COVERAGE, PATIENT PAYMENT,
				BALANCE, STATUS.
INSURANCE COMPANIES	INSURER ID	-	NAME, EMAIL, CONTACT,	INSURER ID -> NAME, ADDRESS
			PASSWORD	LINE 1, ADDRESS LINE 2, CITY,
				STATE, COUNTRY, ZIP, EMAIL,
				PASSWORD, CONTACT.
				{NAME, EMAIL, CONTACT,
				PASSWORD} -> INSURER ID,
				ADDRESS LINE 1, ADDRESS LINE
				2, CITY, STATE, COUNTRY, ZIP.
LABORATORY DETAILS	LABORATORY ID	-	NAME, EMAIL, CONTACT,	LABORATORY ID -> NAME,
			PASSWORD	ADDRESS LINE 1, ADDRESS LINE
				2, CITY, STATE, COUNTRY, ZIP,
				EMAIL, PASSWORD, CONTACT.
				{NAME, EMAIL, CONTACT,
				PASSWORD} -> LABORATORY
				ID, ADDRESS LINE 1, ADDRESS
				LINE 2, CITY, STATE, COUNTRY,
				ZIP.
PHARMACY DETAILS	PHARMACY ID	-	NAME, EMAIL, CONTACT,	PHARMACY ID -> NAME,
			PASSWORD	ADDRESS LINE 1, ADDRESS LINE
				2, CITY, STATE, COUNTRY, ZIP,
				EMAIL, PASSWORD, CONTACT.
				{NAME, EMAIL, CONTACT,
				PASSWORD} -> PHARMACY ID,
				ADDRESS LINE 1, ADDRESS LINE
				2, CITY, STATE, COUNTRY, ZIP.
				2, 3111, 311112, 330111111, 211.

LAB TESTS	TEST ID	LAB ID, VISIT ID	-	TEST ID -> LAB ID, VISIT ID, TEST
				NAME, DATE, RESULT, STATUS.
MEDICATIONS	MEDICATION ID	PHARMACY ID, VISIT ID	-	PHARMACY ID -> PHARMACY
				ID, VISIT ID, DATE,
				MEDICATION, STATUS.

**Team Details: Team 4** 

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