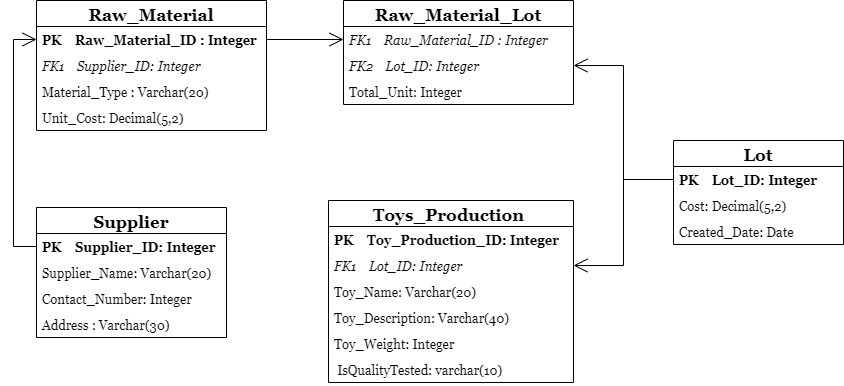
**Title Of Your Project – ERD Model**

**Your Name – Shiva Chembeti**

**Your Github URL - https://github.com/Shiv-Lewis/Project\_3**

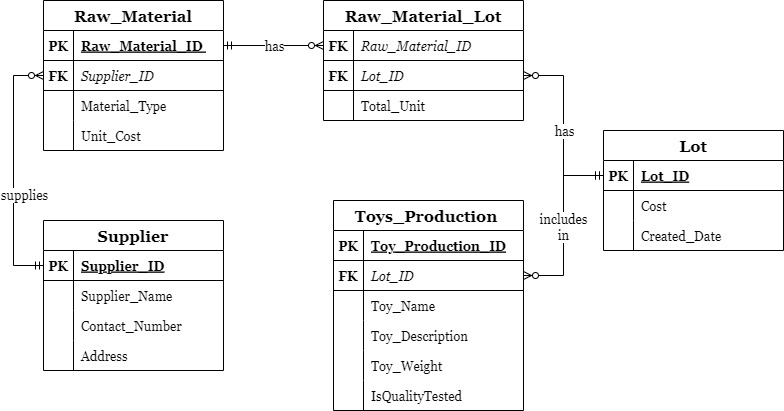
**Current Date – 11/09/2022**

**ERD using UML – Physical model**



The above diagram is for retail toy industry in UML ERD by using the physical model. Basically, the physical model converts the entities into tables and relationships into foreign keys. The attributes of the entities are converted into the columns of the table.

**ERD using Crow’s Foot notation – Logical model**



The above diagram is for retail toy industry in UML Crow’s foot notation by using the logical model. The logical model is about specifying the entities primary key and, in this model, only we can find the relationships between the entities. In this model, the many-to-many relationship is resolved.

**Relationship**

The relationship between the entities Supplier and Raw\_Material is one to many. The Raw\_Material depends on 1 to many Suppliers. i.e., the toy production requires raw materials and thus, it can be collected from same supplier or it can be obtained from different suppliers.

The relationship between the Lot and Raw\_Material\_Lot is one to many and same for Raw\_Material and Raw\_Material\_Lot. The Raw\_Material\_Lot depends on 1 or more Lot. The Raw\_Material\_Lot depends on 1 or many Raw\_Material.

The relationship between the Lot and Toys\_Production is one to many which means the Toys\_Production depends on 1 to many Lots. By using the foreign key Lot\_ID, the Toys\_Production and Lot entities can be linked.