

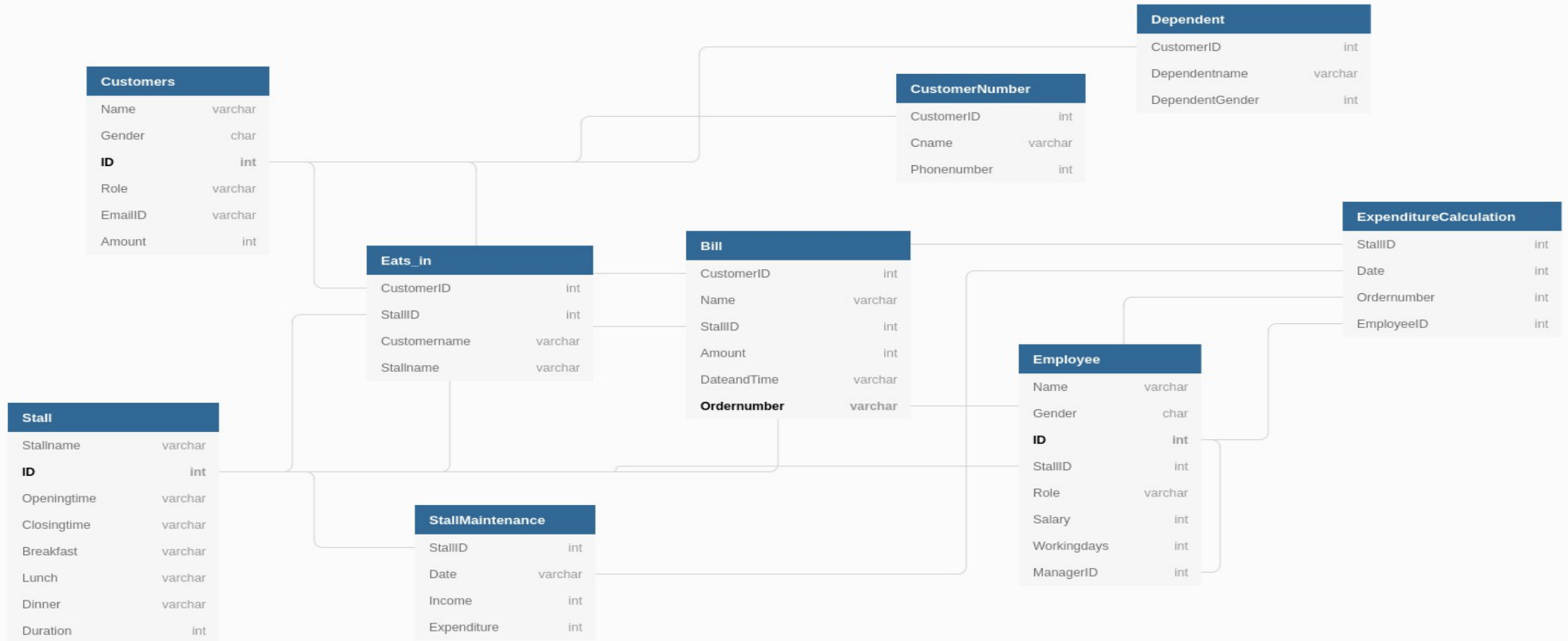
PROJECT PHASE - III

TEAM NAME : PVP

TEAM MEMBERS :

- 1)T.Puneeth(2019101064)
- 2)P.Varun (2019101114)
- 3)P.Lokesh(2019101062)

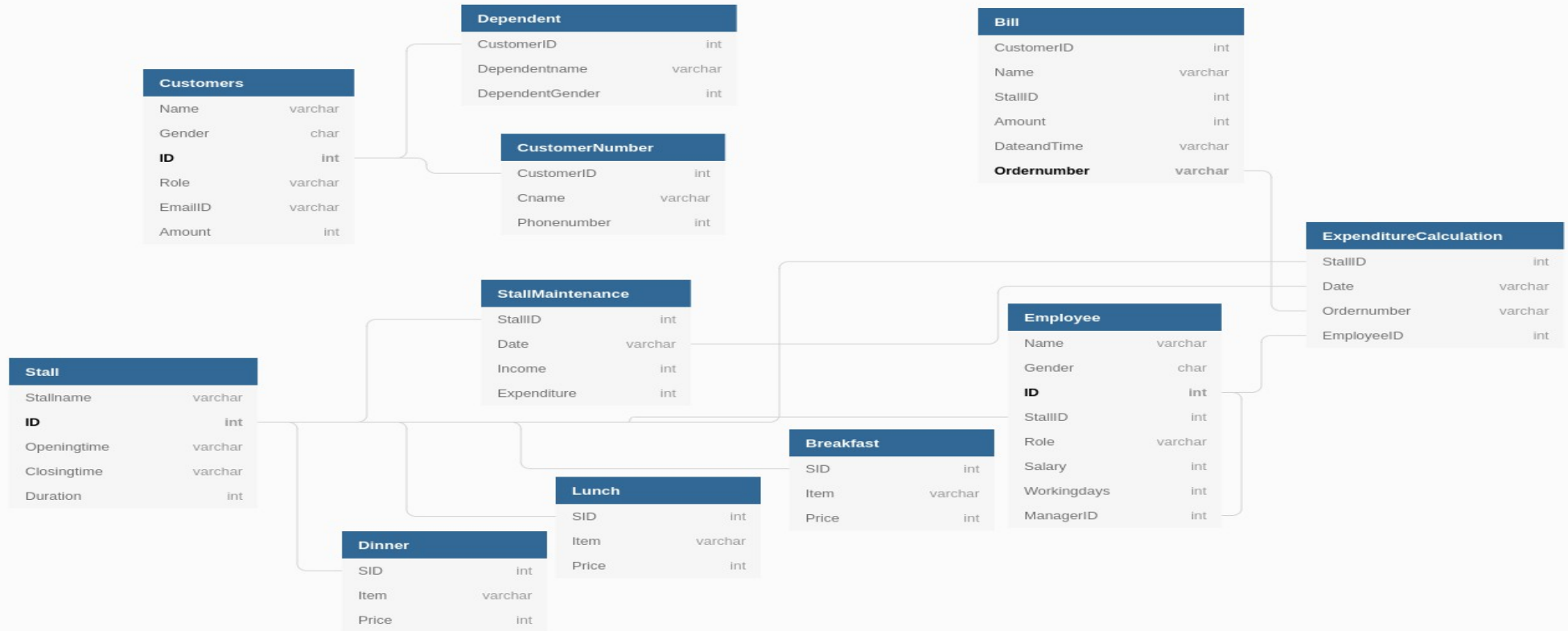
Relational Model



Explanation of Relational Model

- All 1:N relations are represented within the existing relations using the respective foreign keys.
- M:N relation Eats_in represented by creating a new relation using the foreign keys.
- Multivalued Attribute phone number is represented by creating a new relation.
- The quaternary relation is represented by creating a new relation using the foreign keys.

3rd Normal Form



Explanation for 3NF

- The Eats_in relation is removed to minimize the data redundancy as the same data is stored in the Bill relation.
- The composite Attributes Breakfast,Lunch,Dinner are represented using different relations to maintain the atomic values.
- All the 3 normal forms are satisfied by the above diagram. So,only one diagram is required to represent all the three normal forms.

-----THE END-----