

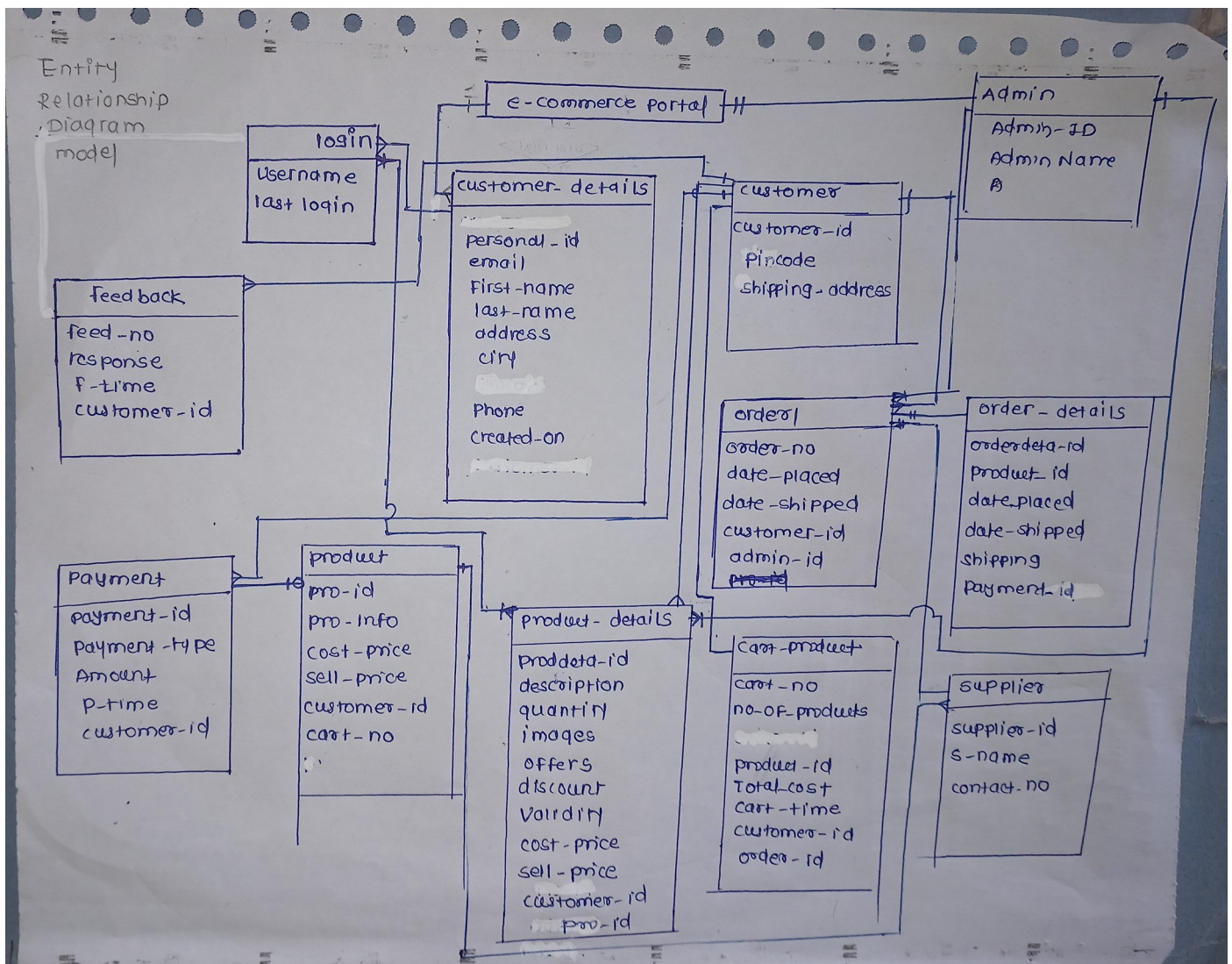
Database Design

I use relation model design for this e-commerce portl. Because they store data in table and rows. Relational database model are based on principle like , The data are normalized ,stored in realtions/tables which are logically connected through primary/ foreign keys relationships. And this is based on set theory is used to manipulate the data.

This will be reduce data redundancies.

It helps to keep sensitive and confedential data secure,yet accessible to those who need it.

In this design data has consistent formatting.



Normalization and functional dependencies

1NF-all relation has primary key,which uniquely identifies each row in the relations.And each relation contaons atomic values .so each and every relation is in the first normal form.

2NF - Database is in the first normal form.

There are no patial functional dependencies .That is each non key attribute is functionally dependent on thr primary key.

```
admin =>      admin_id->a_name
customer=>    customer_id-> pincode,phone,shipping_address
customer_details=>  personal_id->
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