```
Step 1: Mapping of regular entity types Regular entities are mapped in this step
 rate_limits

in_address endpoint request_count window_start last_request
User 15 name surname user_type email password salt phone_number apikey street_number street_name suburb city zig_code
Rating
| 1d | score | description | updated_at |
Product

id name description Image_url category
id name email street_number street_name suburb city zip_code
 rate_limits

ip_address endpoint request_count window_start last_request
 Customer
user id
Admin_staff

user_id salary position
Rating <u>id</u> score description updated_at
Product

id name description Image_url category
Retailer

        id
        name
        email
        street_number
        street_name
        suburb
        city
        zip_code

  Step 2: Mapping of weak entity types are depends on this step, WATCHUST is the only weak entity in our EERD, seek and seponds on both a SIGSTOMER and a PRODUCT be self. Without them, the world link of they are depended on early. RATING is not an exist entity incoming can be updated over time, rating may need be deleted, edited or moderated independedly of the sear or product that is linked to.
 User

Id name surname user_type email password salt phone_number apikey street_number street_name suburb city zip_code
Admin_staff

user_id salary position
Rating

id score description updated_at
 Product

id name description Image_url category
Retailer
| 1d | name | email | street_number | street_name | suburb | city | zip_code |
watchlist

cust_id groduct_id created_at
  Step 3: Mapping of Binary 1:1 relationships We do not have binary 1:1 relationships in our EERD. We do nothing in this ste
 Step 4: Mapping of Binary 1:M relationships

We have four 1:M relationships in our EERD CUSTOMER create WATCH.SIT

Step 4: Mapping of Binary 1:M relationships processor is moted with Cell 50 forth of these we shady mapped in Step 3:

Mapping Step 4: Mapping of Binary 1:M relationships in Cell 5: Mapping Step 4: Mappi
  rate_limits
| <u>ip_address</u> | <u>endpoint</u> | request_count | window_start | last_request |
 User 12 name Survame over_type email painered salt phone_number digitary street_number street_name sodurb city zig_code
 Customer
user_id
Admin_staff
user_id salary position
Rating id product_id user_id score description updated_at
Product

id name description Image_url category

↑ ↑
 Retailer

        id
        name
        email
        street_number
        street_name
        suburb
        city
        zip_code

  rate_limits

ie_address endeoint request_count window_start last_request
  User 15 name surname user_type email password salt phone_number apikey street_number street_name suburb city zip_code
Admin_staff
user_id salary position
 Rating id product_id user_id score description updated_at
id name description Image_url category
  Retailer

id name email street_number street_name suburb city zip_code

A
watchlist

cust_id product_id created_at
Supplied_By

Retailer id Product id Price
  Step 6: Mapping of multivalued attributes We do not have multivalued attributes in our EERD. We do not
  Step 8: Mapping specialisation and generalisation Step 8 was already done directly after step 1 to ensure that CUSTOMER exists before we map relationships. We do not have other specialisations in our EERD.
  FINAL RELATIONAL MAPPING
 rate_limits

ip_address | endpoint | request_count | window_start | last_request |
 User

M name survame user_type email password salt phone_number apikey street_number street_name suburb city zig_code
 Admin_staff

<u>user_id</u> salary position
Rating
| id | product_id | user_id | score | description | updated_at |
id name description Image_url category
 cust id product id created_at
  Supplied_By

| Retailer_id | Product_id | Price |
```