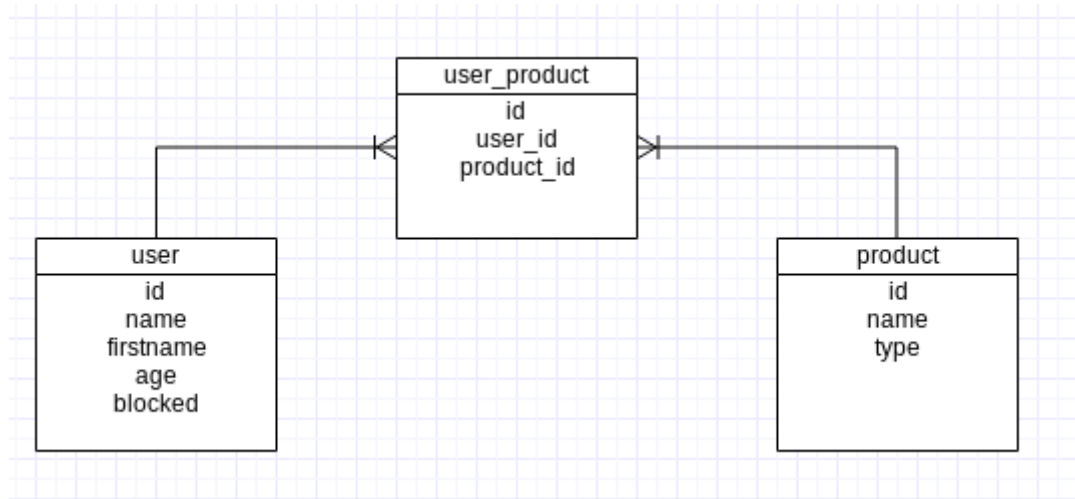Entity Relationship Diagram (ERD)

As described below we need to create a database model for user product
relation ship. Please follow the tasks described below:

USER-PRODUCT MODEL

- Create a DDL of the USER - PRODUCT - ERD
- Describe Relation Ships between the entity tables
- Populate the user and product table with data and make relation ships in
  the user_product table. Please generate here for all three tables the raw
  insert statements manually.
- Create a query to figure out which user to which product is related and
  how many product is used by each user .Afterwards we need to know
  which user would have the highest number of products used?
- For real environment we need to optimize the queries. Please also figure
  out the execution time and execution plan.