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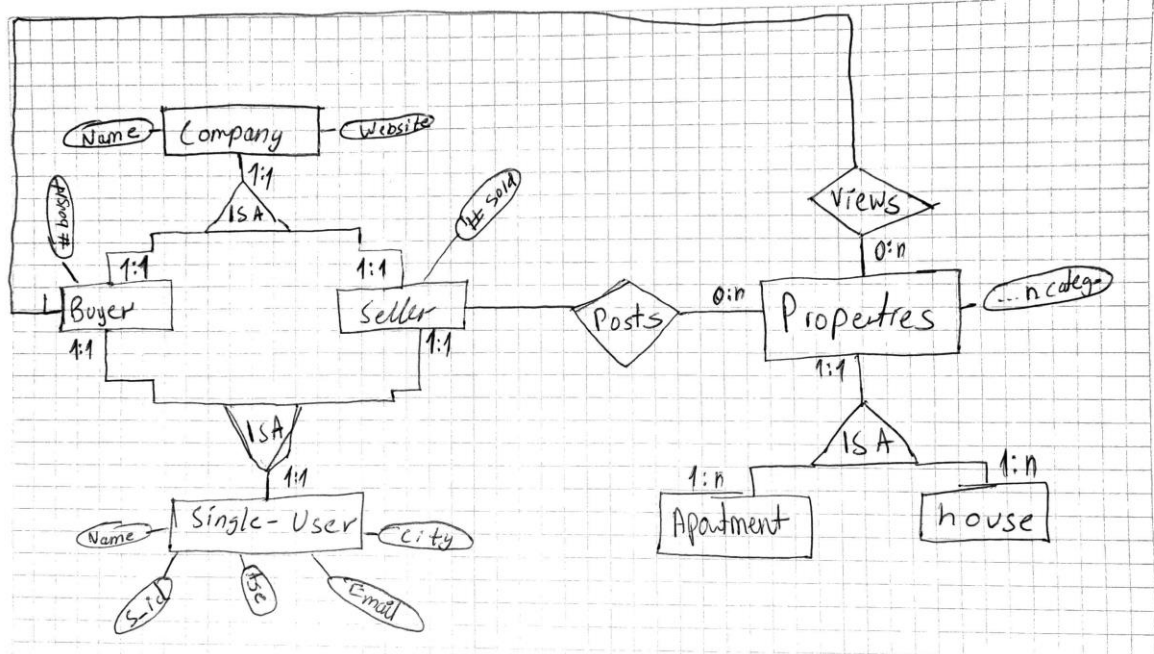
Database Web services

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Abstract

- Mapping approach
- ER document & Explanation

1 ER diagram



2 Mapping Approach

We have used separate relations per every entity set approach. We have made use of three relations as seen on our EDR diagram as well including the Buyer, Seller and Properties. Every buyer looking for a property is recorded on Buyer and same approach for sellers has been adopted. Moreover, also refer to our SQL code where querying for all buyers and sellers who eventually form our marketplace has been made easily accessible.

The form of our database will be structured one following cascaded style as we believe it will help us in the later stages of the project. In future, when we will be querying for 'Left Joins' and 'Right Joins', it will be quite easy for us by following this kind of implementation strategy.

3 ER-Diagram Explanation

In our EDR diagram, we have 3 main tables which are connected to multiple entities using a ISA hierarchy. We intend to create a marketplace where buyers and sellers can interact for their favourite properties on Business to Peer (B2P) basis. We thought of offering similar service on a different subscription to large clients including investment banking firm, real estate moguls and commercial lending institutions who provide mortgages to clients, hence we introduced B2B where companies can also make use of our platform. This connection can also be seen from EDR diagram connected through ISA hierarchy. The seller will be able to post based on some parameters which will be inserted for example number of rooms, size of the property etc and the buyer can view the properties. Since there are multiple kind of

properties out their in the market, we will be providing the classification using another ISA represented by the triangle.