

Phase I. EER Design

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0. Pre-Illumination

For clearly describing the conceptual design, we separate this report into three parts. In Part 1 we specify the assumptions, explanations and limitations of the whole project, in Part 2 we draw the EER diagram in details, and in Part 3 we give the explanation of (min, max) notation for all the relationship appearing in EER diagram. Finally, a short summary will be given at the end of this report.

1. Assumptions, Explanations and Limitations

In this part we discuss all the assumptions, explanations and limitations in this project to illuminate our EER diagram, based on both the project description and real life experiences.

1.1 Assumption

- Username, Email Id of member is unique.
- Time stamp is being used for post date and time.
- Keeping track of replies and who replied on comments.
- Not keeping previous record (i.e description) after updating location details by preferred members.

- In a trip no particular destination is visited more than once.
- We are not considering travel expenditure for trips.
- Price will be stored for restaurants, attractions but as Null for the shopping mall.
- Business name is not unique.
- We can have multiple business partners in specific destination.
- User can get service from multiple business partners at specific destination.

1.2 Explanation

- **Division of “MEMBER”:**

Since the members are of two types i.e preferred and regular therefore, we use an entity named “**MEMBER**” to represent both these categories. Member can be either preferred or regular.

- **Division of “DESTINATION”:**

We think that a **DESTINATION** should be divided into three categories i.e Shopping Mall, restaurant and Attractions. This is being done as the user goes to above mentioned places when visiting a destination.

1.3 Limitations

There are some limitations both from title statement and from daily life. We list them as follows:

- We are only considering three types of destination i.e Shopping mall, restaurants and Attractions but in reality users go to other places as well.
- Only preferred members can modify the description of the destination.
- The ratings of a particular destination is being derived from user ratings only.

- Regular member can only be preferred if they cross the number of followers of 1 million.
- User can only upload photograph if and only if user visited the destination.

2. EER Design Diagram

In this part we draw an EER design diagram with common notation introduced from textbook. Figure 1 exhibits the whole design as follows:

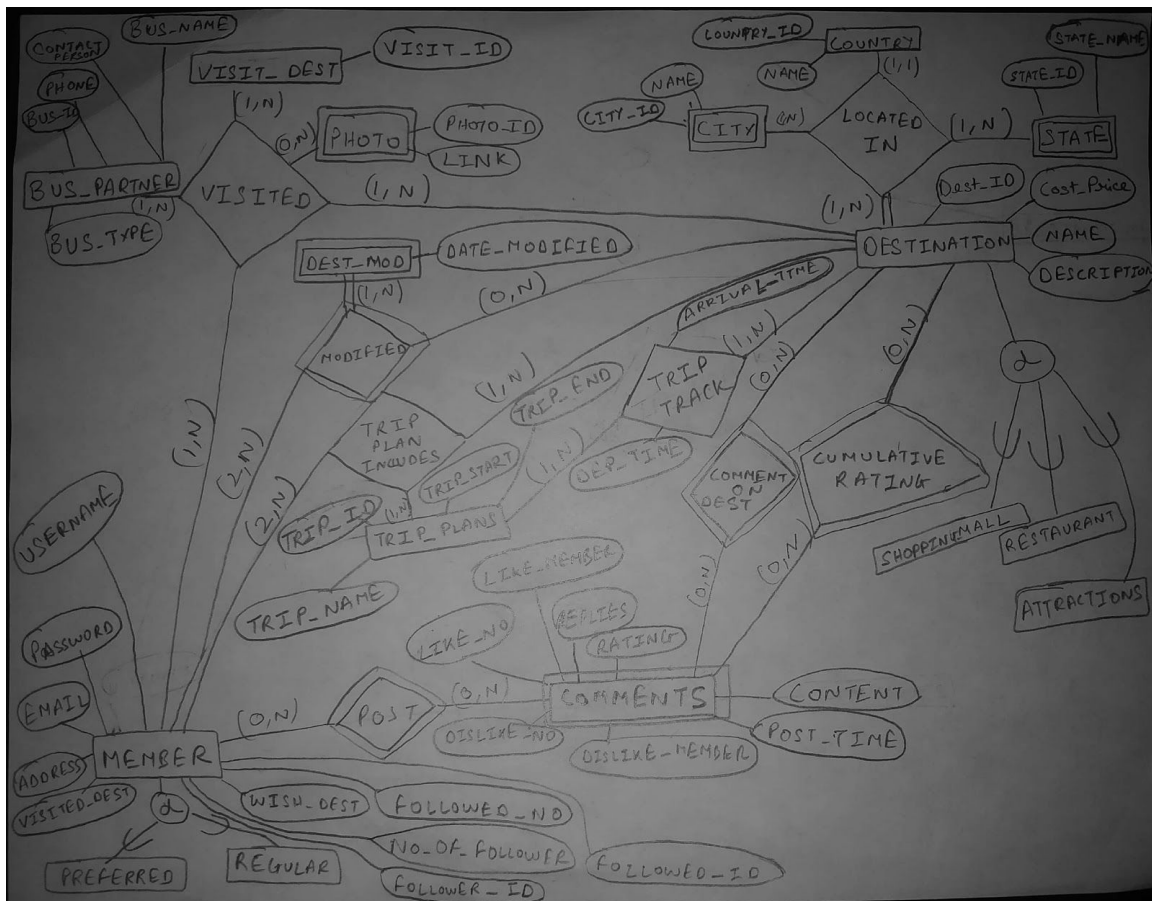


Figure 1

3. (Min, Max) Notation for Relationship

This is mentioned in the EER diagram.

4. Conclusion

In this report we discussed and drew the EER diagram for Trip Share Database Application. In the first part we made our assumptions and explanations, and then we gave the diagram for our EER model. The last part is mainly focused on all relationships existed in the EER diagram.

This report analyzed the conceptual model of Trip Share Database Application. The next step is to build physical models and other details. In the future, we may change some mappings of this conceptual model when facing practical difficulties and other requests. In addition, Figure 1 includes all the details which we may omit in our description. For further questions please contact us or refer to the above discussions.