

Data And Applications

Project Phase 3



Team number: 52

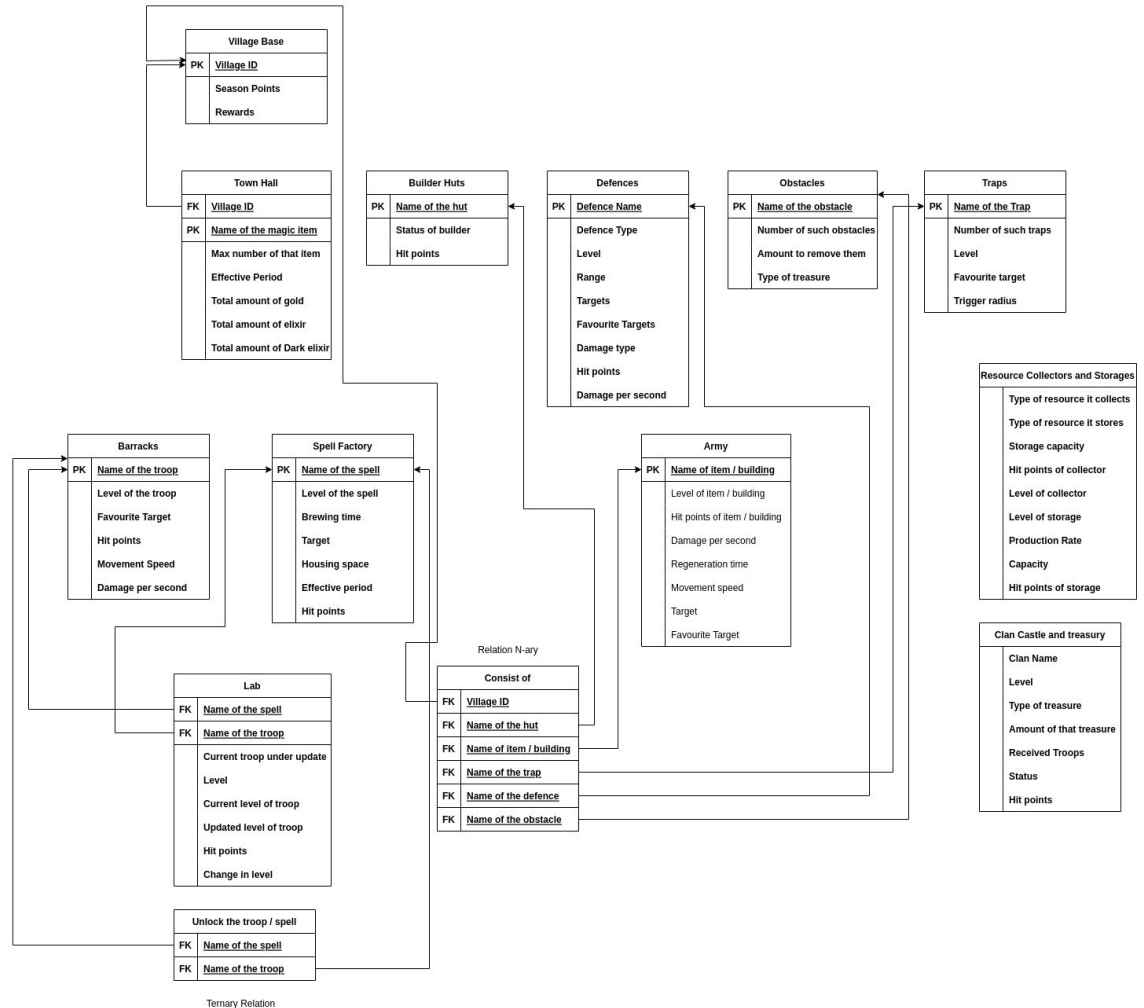
Mini World of the Project: Clash of Clans

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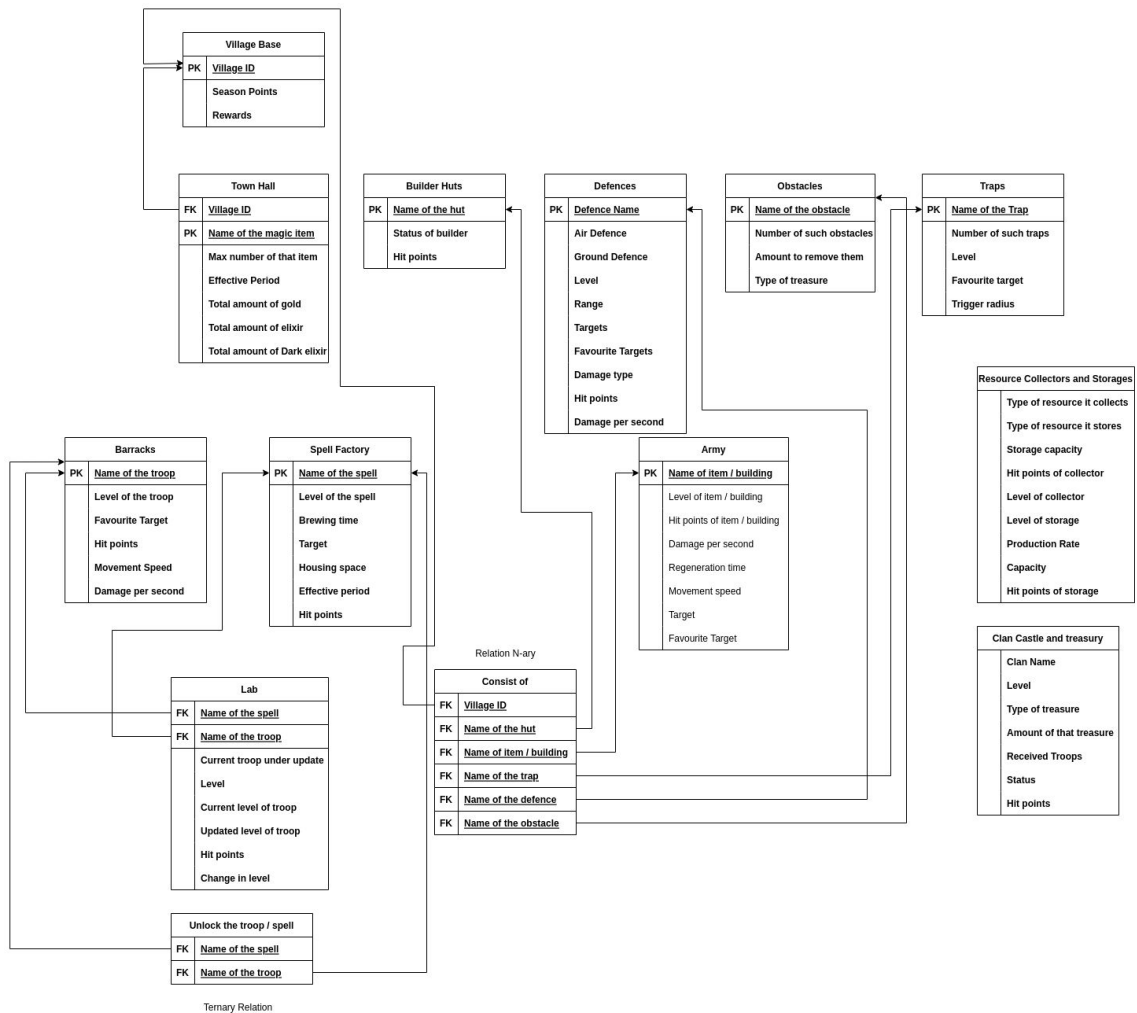
Step 1: Conversion of ER Model to Relational Model

- All the Entities are mentioned in the table format.
- The relation are established via foreign keys. The relations between 2 strong entities or a strong and weak entities are handled by adding extra attributes.
- That of ternary and N-ary relations are handled with an extra relation table mentioned in the model.



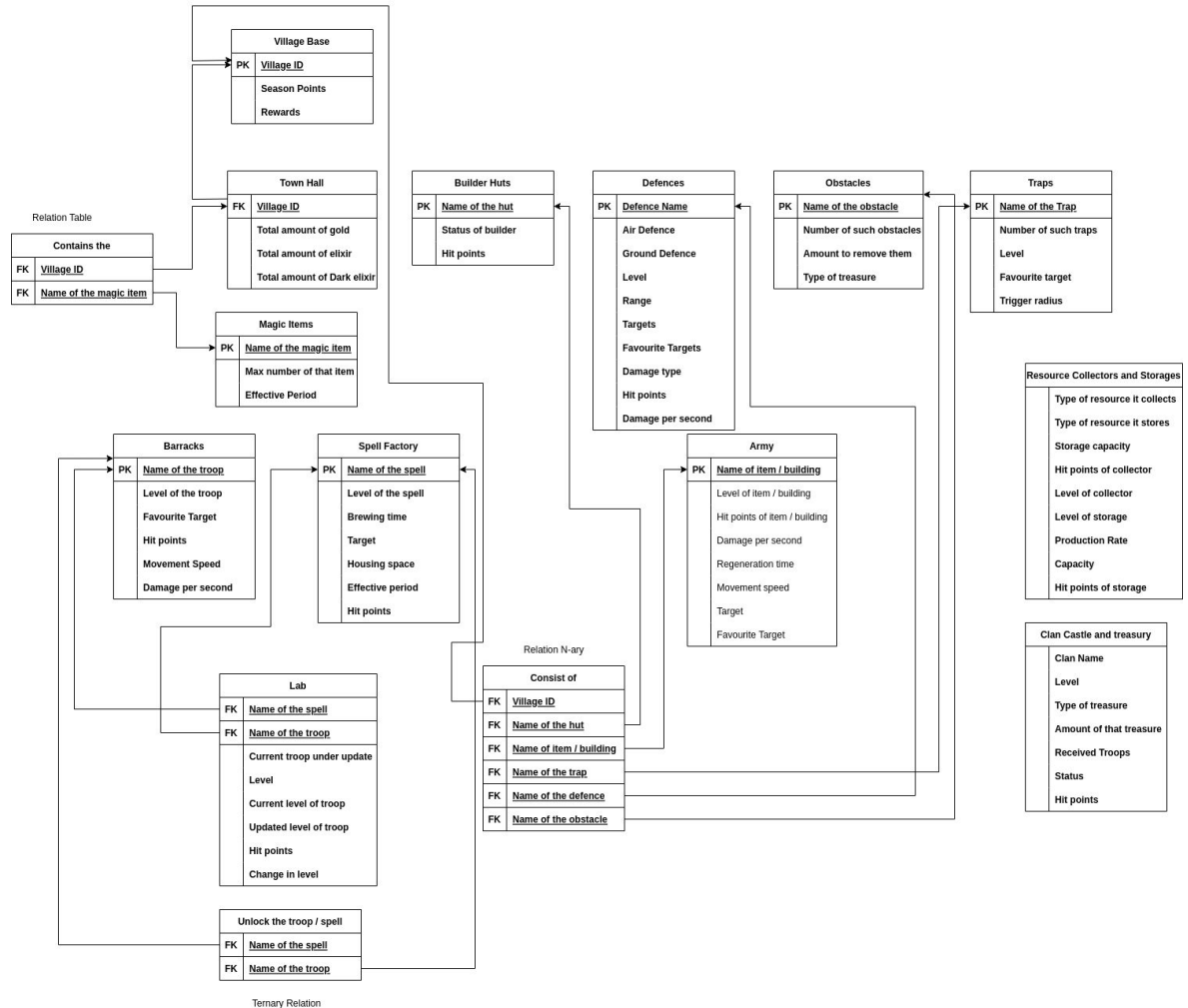
Step 2: Conversion of the Relational Model to 1NF

- No, major changes were made
- The multivalued attributes are given no chance to occur.



Step 3: Conversion of Relational Model into 2NF

- The Townhall table has the partial functional dependency.
- Therefore, we split it into two different tables so that they are completely functionally dependent.
- And they have a relation, so a relation table is also created.



Step 4: Conversion of Relational Model into 3NF

- No changes were made as there are no transitive dependencies in any part

