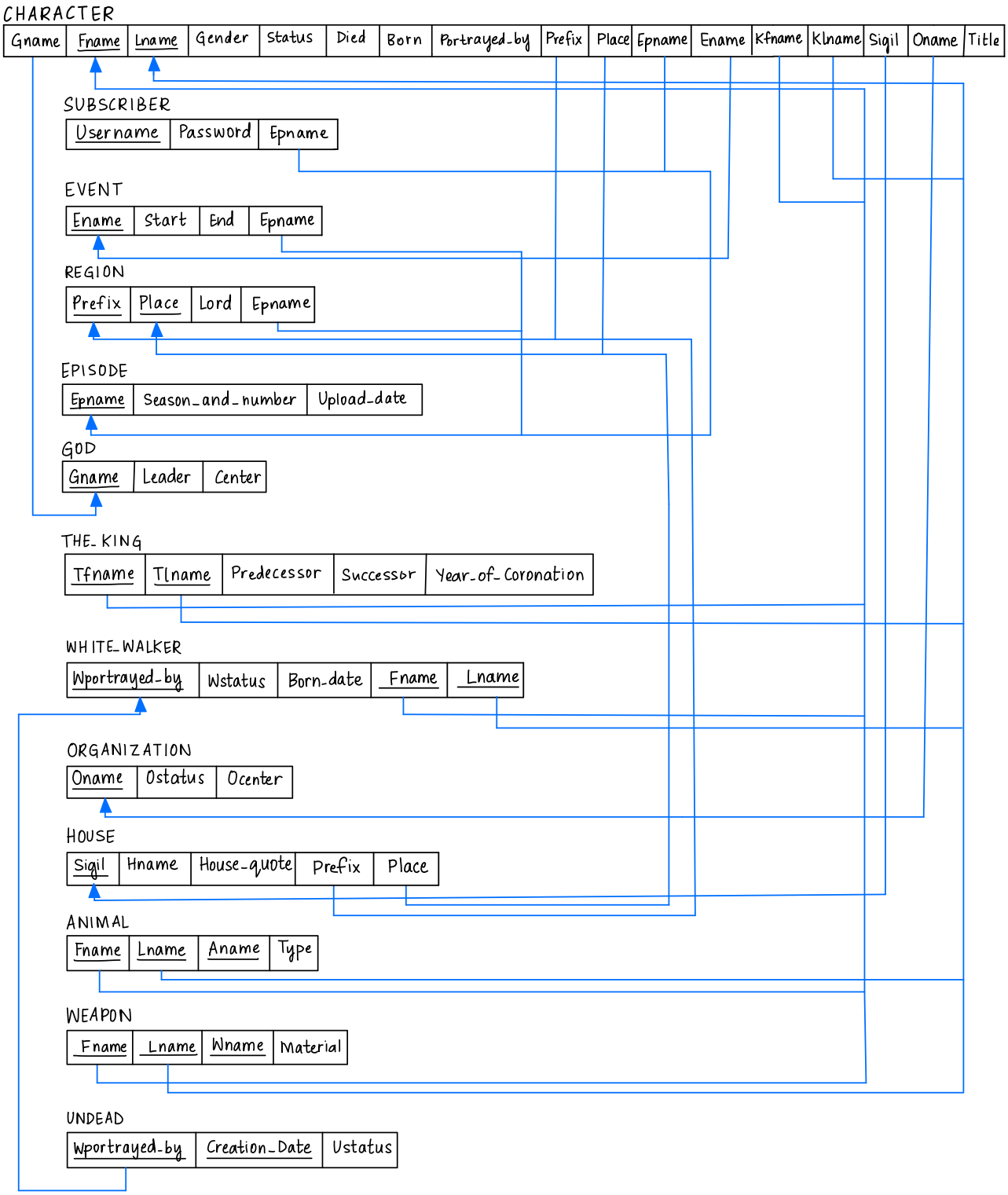
PROJECT PHASE 3

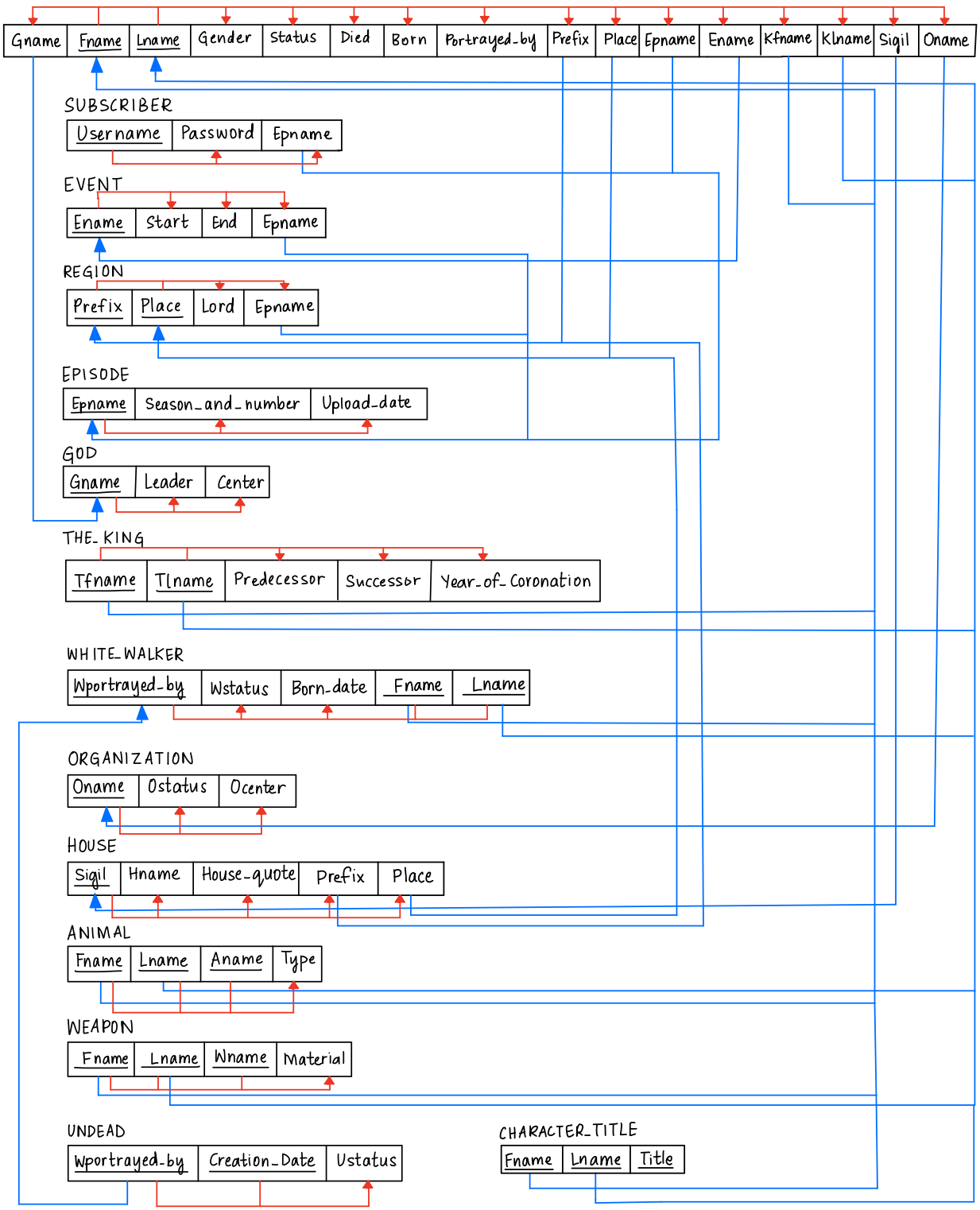
TEAM 29 – ANUSH ANAND, BACHINA PRANAV, MUKTA CHANDA

⇒ After mapping ER to relational model

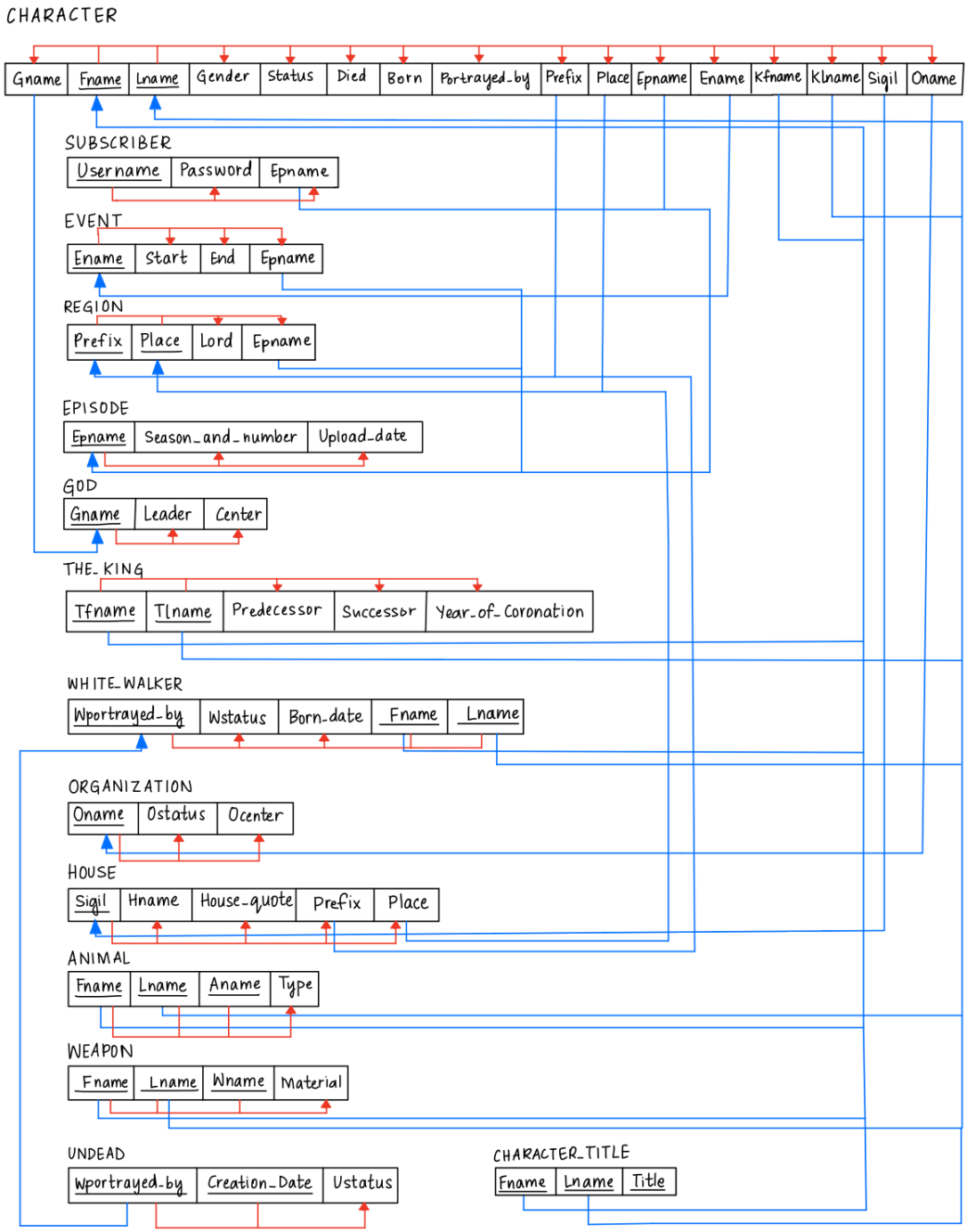


⇒ Relational model after conversion to 1NF

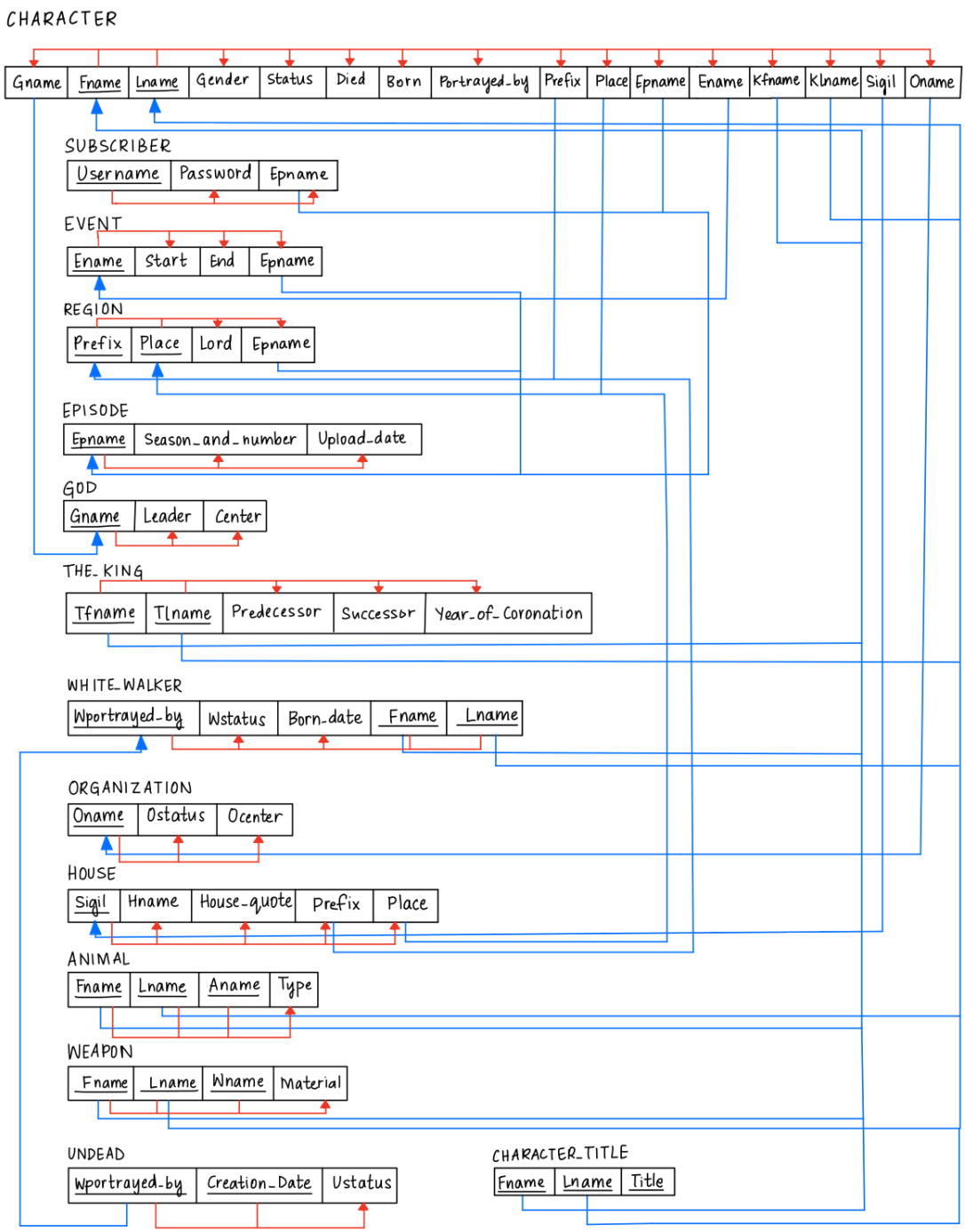
CHARACTER



⇒ Relational model after conversion to 2NF



⇒ Relational model after conversion to 3NF



Explanation:

- While mapping the ER diagram to relational model we did the following things:
    - Each entity is a table
    - Each attribute of an entity is a column of the table.
    - The underlined attributes are primary keys
    - All composite attributes are divided into simpler non- dividable attributes.
    - We divided name to Fname and Lname in character table.

- While converting this to 1NF form we made the following changes to the relational model:
    - Each multi valued attribute is put in another table.
    - We have only one multi valued attribute so that means we created a new table to convert the relational model into 2NF
    - We made the new table character title.
    - There is no difference between 1NF and 2NF relational model because all the attributes are fully functional dependent on the primary key which means we won't be separating them into a another table.

- There is no difference between 2 NF and 3 NF relational models because there are no transitive dependencies in 2 NF form.

- So that means 1 NF 2 NF and 3 NF forms are all the same.