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Database Systems CMPT 308
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Lab 9

1. Functional Dependencies:

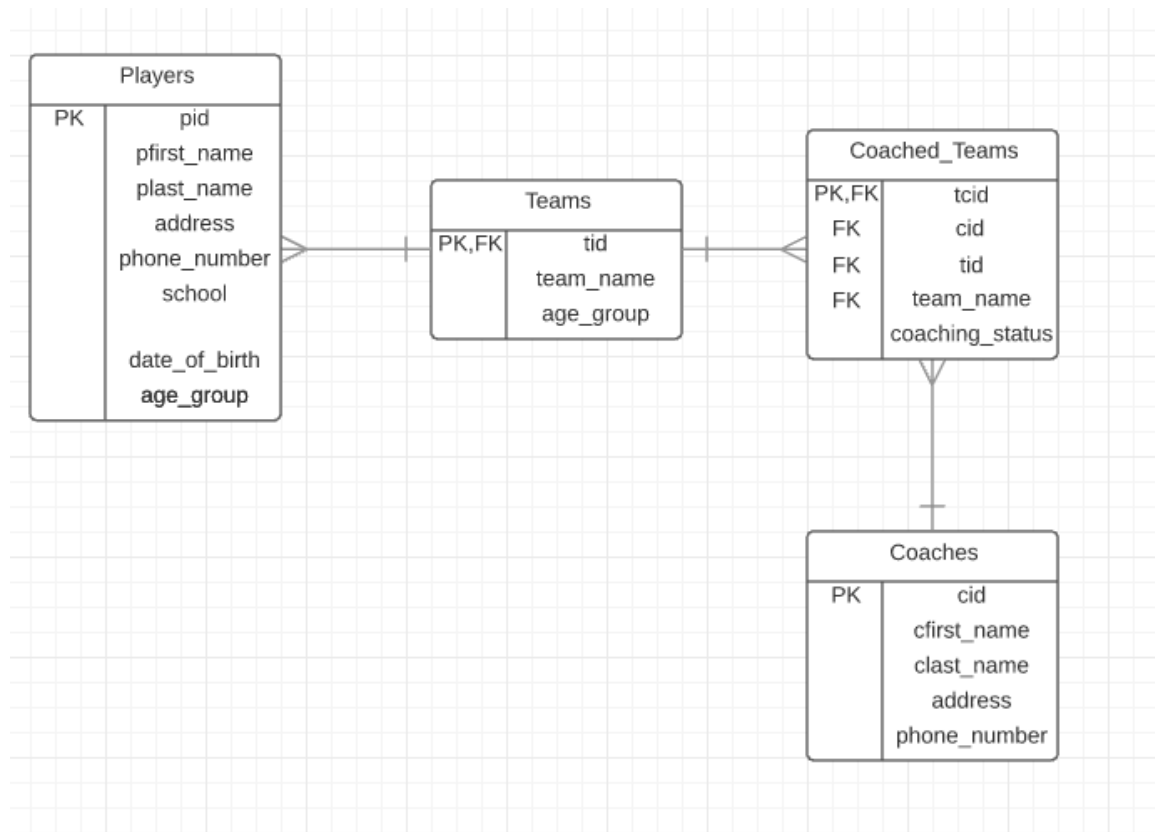
$pid \rightarrow pfirst_name, plast_name, address, phone_number, school, date_of_birth, age_group$

$tid \rightarrow team_name, hcid, agid$

$tcid \rightarrow cid, tid, team_name, coaching_status$

$cid \rightarrow cfirst_name, clast_name,$

2. E/R Diagram:



3. This database is in 3NF. The definition of 3rd normal form is an entity is in third normal form if each non-primary key attribute provides some fact that is dependent of the other non-key attributes. These depend only on the key. Each entity in this database meets these requirements.