



## Assignment 2 – Analysis of Rules Document

We are analysing the requirements document of Team 1 (SuperMarioBros). The mini-world is Unicon19.

- There is no relation between the Director and Director Details entities; we do not know which director's details an entity of Director Details type contains.
- The entities classified as weak do in fact have candidate key attributes.
- The weak entities (Food and Director Details) have no identifying relationships and thus cannot exist.
- There is no direct relationship for participation; we need to filter the Judges relationship to get this information.
- The participation constraints of the Judges relationship do not allow one person to participate in more than one event, or one person to judge more than one event.
- The participation constraints of the Wins relationship do not allow one person to win more than one event.
- The participation constraints for  $n \geq 3$  relationships are given for every pair of participating entity types (as if they were binary relationships) which is not representative.
- There are no constraints or datatypes for any of the attributes of the entity types.
- Primary keys are not mentioned for any of the entity types.
- The only result of an event that can be stored is a single winner; there is no way to store a leaderboard.
- There is no provision to store the time of events and therefore clashes cannot be identified.
- Competitor team events cannot be stored, since there is no provision to store teams.