

Explanation of Changes - Team 2

- **Emergency Contact** - Initially, we had the patient 'Emergency Contact' simply as an attribute of 'Patient'. We have decided to change 'Emergency Contact' to a Weak Entity of 'Patient' because there is a plethora of information associated with a patient's emergency contact such as their Emergency ID, Name, Address, Phone, and Email Address. By expanding it to a weak entity, we are able to explicitly include this information.
- **Phone:** We changed all of our phone number attributes to multivalued attributes because each owning entity can always list more than one phone number on their records.
- **Over/Under 18:** We added a derived attribute to the patient's DOB' to indicate whether or not the patient is 18 years old. This will allow immediate indication as to whether or not a patient requires a guardian.
- **Guardian:** We added 'Guardian' as a weak entity of a 'Patient' to account for any patients that may have a guardian. Like the 'Emergency Contact', we made 'Guardian' a weak entity because there is a plethora of information associated with a patient's guardian such as their Guardian ID, Name, Address, Phone, and Email Address.