

Project #1 - E/R: Contact Tracing

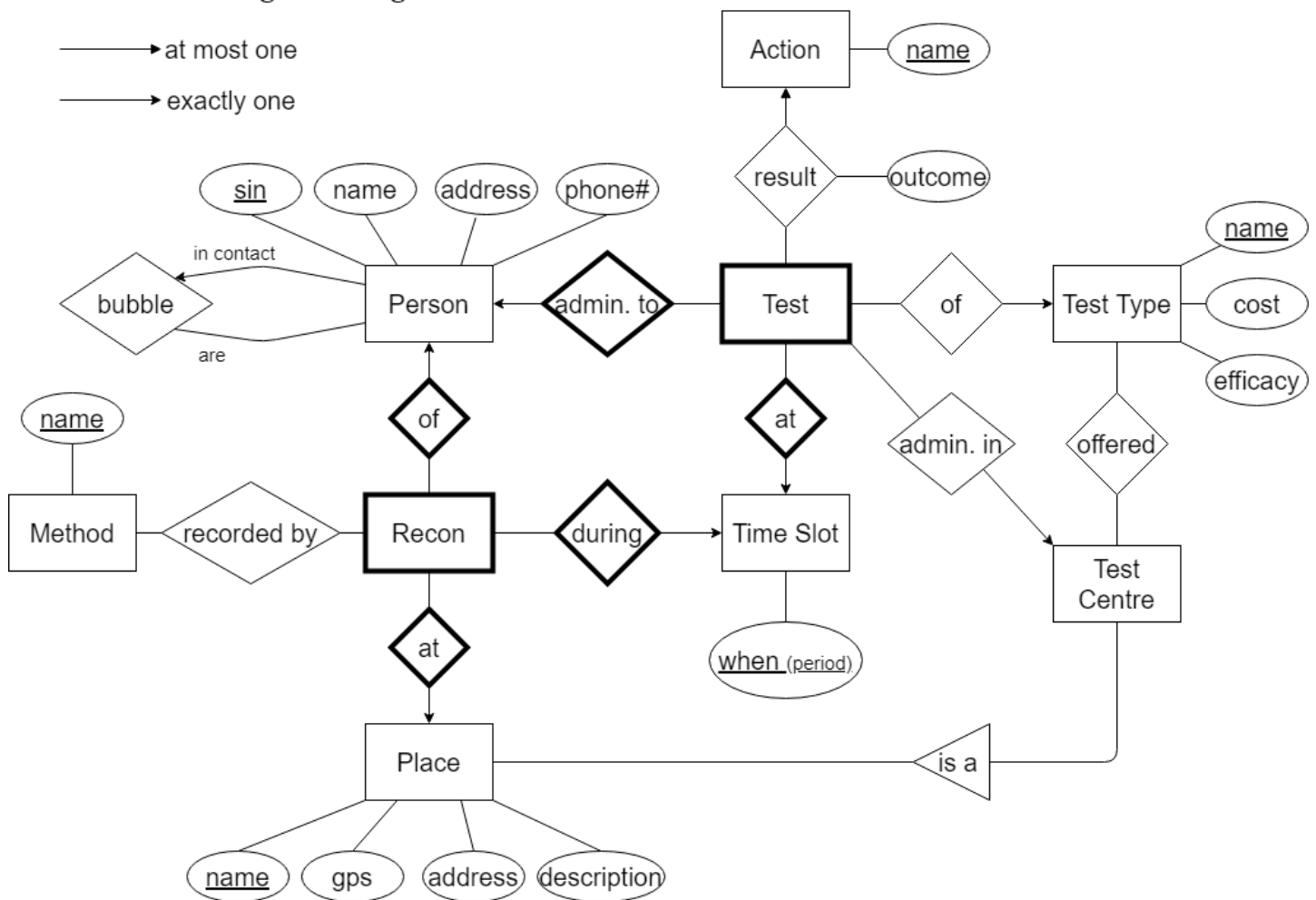
Student #: *215318728*

Sur (Family) Name: *Ghosh*

Given Name: *Supriyo*

Section: *B*

Contact Tracing E/R Diagram



Documentation

- Recon is a weak entity because it is identified by a Person (sin), a Place (name) and a Time Slot (when). A recon can be recorded by many different methods (one to many).
- A Test is also a weak entity because it is only identified by a Person (sin) and a Time Slot (when). A Test is exactly of one Test Type and is performed (administered in) in exactly one Test Centre. Lastly, a Test will result in at most one Action after considering the type of outcome (positive or negative) from the result. If negative, there is no action.
- A Test Centre offers many different Test Types and also a Test Type is offered in many Test Centres. This defines a many to many relationship. A Test Center is a Place.
- A given **Person** identifies his 'bubble'. Bubble (family and friends) is a group of other Persons. These other **Persons** individually can be defined by the Person entity. Here bubble acts as recursive relationship.