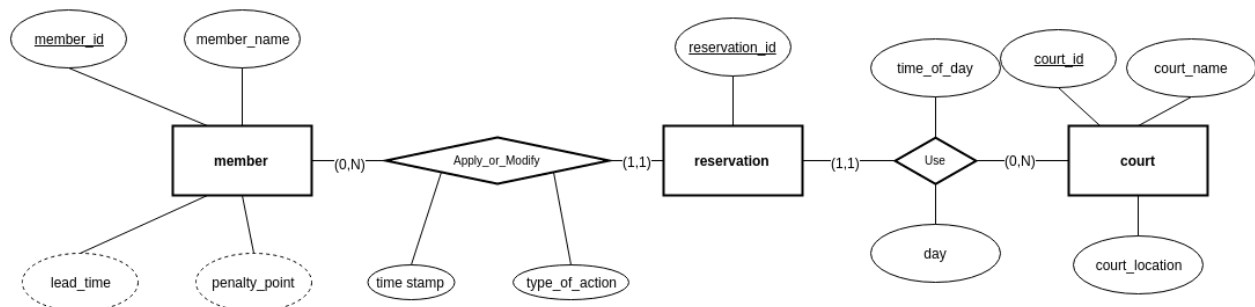


CSC 461 ASMT 6.b

Jiaming Su NetID:jsu11

Court Reservation System

Jiaming Su NetID: jsu11



Functional dependencies

member_id \rightarrow {member_name}

reservation_id \rightarrow {member_id, time_stamp, type_of_action}

reservation_id \rightarrow {time_of_day, day, court_id}

court_id \rightarrow {court_location, court_name}

My relation schema is following BCNF. The functional dependencies are nontrivial. The Left sides of the functional dependencies are super keys of each relation. There is no non-key attribute depending on another non-key attributes.

member

<u>member_id</u>	member_name
------------------	-------------

reservation

<u>reservation_id</u>	type_of_action	time_stamp	court_id	member_id	day	time_of_day
-----------------------	----------------	------------	----------	-----------	-----	-------------

court

<u>court_id</u>	court_name	court_location
-----------------	------------	----------------