TEAM 102

Relational Schema

Test = (id, status, testing_pool[fk6], appointment_time[fk11], site_name[fk12])

Fk6: testing_pool -> pool.id, pool.id is non-null

Fk11: appointment_time, site_name -> appointment_key, appointment.site_name, appointment_time is non-null

Site = (name, street, city, zip, state, testing_location[fk7])

Fk7: Testing_location -> location.name, testing_location is non-null

Pool = (id, status, LoginID[fk9], date)

Fk9: LoginID -> Employee.LoginID

Location = (name)

Appointment = (site_name[fk1], appt_key[fk2], LoginID[fk10])

fk1: site_name -> Site.name, site_name is non-null

Fk2: appt_key -> appointment_key.appointment

fk10: LoginID -> student.LoginID

Appointment_Key = (date, time, appointment_number)

User = (username, first_name, last_name, email, password)

Student = (<u>LoginID[fk3]</u>, housing_type, testing_location[fk8])

Fk3: LoginID -> User.username

Fk8: testing_location -> location.name, testing_location is non-null

Admin = (<u>LoginID[fk4]</u>)

Fk4: LoginID -> User.username

Employee = (<u>LoginID[fk5]</u>, Role, Phone_num)

Fk5: LoginID -> User.username

** role = LAB_TECH XOR TESTER

Works_in = (<u>LoginID[fk13]</u>, <u>site_name[fk14]</u>)

Fk13: LoginID -> Employee.LoginID

Fk14: site_name -> site.name