Relational Model

User = (<u>Username</u>, Password, Email, FirstName, LastName)

Location = (<u>Name</u>)

Student = (<u>Username</u> [fk1], HousingType, LivesIn [fk11])
fk1:Username→ User.Username
fk11: LivesIn -> Location.Name

Employee = (<u>Username</u> [fk2], PhoneNumber, IsSiteTester, IsLabTechnician)
fk2: Username -> User.Username

Admin = (<u>Username</u> [fk3])
fk3: Username -> User.Username

Pool = (<u>ID</u>, Status, ProcessDate, ProcessBy[fk14])
fk14: ProcessBy -> Employee.Username

Site = (<u>Name</u>, Street, City, Zip, State, SiteIn[fk12])
fk12: SiteIn→ Location.Name

Appointment = (<u>SiteName</u> [fk4], <u>Date</u>, <u>Time</u>, Scheduler[fk13])
fk4: SiteName -> Site.Name
fk13: Scheduler ->Student.Username

Process = (<u>TechnicianID[fk5]</u>, <u>PoolID[fk6]</u>, date)
fk5: TechnicianID -> Employee.Username
fk6: PoolID -> Pool.ID

Test = (<u>ID</u>, Status, PoolID[fk9], ApptDate, ApptTime [fk10])
fk9: PoolID -> Pool.ID
fk10: ApptDate, ApptTime -> (Appointment.Date, AppointmentTime)

Works_In = (<u>SiteName</u>[fk7], <u>SiteTesterID</u>[fk8]
fk7: Sitename-->Site.Name
fk8: SiteTesterID-->Employee.Username