

Sample Key (8A+8A) Superclass-Subclass mapping for User-Visitor-Employee and Employee-Admin-Staff-Manager

User = (Username, Password, Status, Firstname, Lastname)

UserEmail = (Username [FK1], Email)

FK1: Username -> User.Username

Visitor = (Username [FK2])

FK2: Username -> User.Username

Employee = (Username [FK3], EmployeeID, Phone, EmployeeAddress, EmployeeCity, EmployeeState, EmployeeZipcode)

FK3: Username -> User.Username

Administrator = (Username [FK4])

FK4: Username -> Employee.Username

Staff = (Username [FK5])

FK5: Username -> Employee.Username

Manager = (Username [FK6])

FK6: Username -> Employee.Username

Site = (SiteName, SiteAddress, SiteZipcode, OpenEveryday, ManagerUsername [FK7])

FK7: ManagerUsername -> Manager.Username

Event = (EventName, StartDate, SiteName [FK8], EndDate, EventPrice, Capacity, Description, MinStaffRequired)

FK8: SiteName -> Site.SiteName

AssignTo = (StaffUsername [fk9], EventName [FK10], StartDate [fk10], SiteName [fk10])

FK9: StaffUsername -> Staff.Username

FK10: (EventName, StartDate, SiteName) -> Event.(EventName, StartDate, SiteName)

Transit = (TransitType, TransitRoute, TransitPrice)

Connect = (SiteName [FK11], TransitType [FK12], TransitRoute [FK12])

FK11: SiteName -> Site.SiteName

FK12: (TransitType, TransitRoute) -> Transit.(TransitType, TransitRoute)

TakeTransit = (Username [FK13], TransitType [FK14], TransitRoute [FK14], TransitDate)

FK13: Username -> User.Username

FK14: (TransitType, TransitRoute) -> Transit.(TransitType, TransitRoute)

VisitSite = (VisitorUsername [FK15], SiteName [FK16], VisitSiteDate)

FK15: VisitorUsername -> User.Username

FK16: SiteName -> Site.SiteName

VisitEvent = (VisitorUsername [FK17], EventName [FK18], StartDate [FK18], SiteName [FK18], VisitEventDate)

FK17: VisitorUsername -> User.Username

FK18: (EventName, StartDate, SiteName) -> Event.(EventName, StartDate, SiteName)