

CIS 321– Systems Analysis and Design
Assignment 5

Overview:

Consider the following functional dependencies

$\text{ApplicantID} \rightarrow \text{ApplicantName}$

$\text{ApplicantID} \rightarrow \text{ApplicantAddress}$

$\text{PositionID} \rightarrow \text{PositionTitle}$

$\text{PositionID} \rightarrow \text{DatePositionOpens}$

$\text{PositionID} \rightarrow \text{Department}$

$\text{ApplicantID} + \text{PositionID} \rightarrow \text{DateApplied}$

$\text{ApplicantID} + \text{PositionID} + \text{DateInterviewed} \rightarrow \text{ApplicantID} + \text{PositionID} + \text{DateInterviewed}$

Instructions:

1. Represent these attributes with 3NF relations. Show and explain the process taken to achieve 3NF.
(If process is not shown and explained question will receive a grade of 0/50)
 - a. Provide meaningful relation names.
2. Represent these attributes using an ERD. Provide meaningful entity and relationship names.