

TIPS Updated Relational Schema (DPR3)

ENTITY AND SUPERCLASS/SUBCLASS RELATIONS (48)

#	Entity_name(<u>Principal_Key(s)</u> , Attribute(s), <i>Foreign_key(s)</i>)		
1	Person (<u>First Name</u> , <u>Last Name</u> , Gender, Email, Phone, Address, <i>Name</i> ⁴)		
Relation(<i>Foreign_key</i> , <i>Partial_key</i> , Attributes)			
1a	Internal (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , SSN, Birth_Date, Start_Date, End_Date, Position)	1b	External (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹)
1a.i	Advisor (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹)	1b.i	Donor (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹)
1a.ii	Board (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹)	1b.ii	Volunteer (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹)
1a.iii	Alumni (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Intern_Year, Education)	1b.iii	Parent/Guardian (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹)
1a.iv	Intern (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Staff_Fname, Staff_Lname, Internship# ² , First_Name ^{1b.iv} , Last_Name ^{1b.iv})	1b.iv	Non-profit Contact (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Name ^{4a})
1a.v	Staff (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Salary)	1b.v	Corporate Contact (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Name ^{4b})
-		1b.vi	Grant Contact (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Name ^{4c})
2	Internship (<u>Internship#</u> , Year, StartDate, EndDate, Wage, Hours. <i>SectorName</i> ⁵ , <i>OrgName</i> ⁴ , <i>InternSSN</i> ¹)		
3	Evaluation (<u>Evaluation#</u> , EvaluationContent, <i>Internship#</i> ² , <i>Made_by_Fname</i> ¹ , <i>Made_by_Lname</i> ¹)		
4	Organization (<u>Name</u> , phone, email, address)		
Relation(<i>Foreign_key</i> , <i>Partial_key</i> , Attributes)			
4a	Non-profit Partner (<u>Name</u> ⁴ , <i>phone</i> ⁴ , <i>email</i> ⁴ , <i>address</i> ⁴ , <i>SectorName</i> ⁵)	4d	Permanent Group (<u>Name</u> ⁴ , <i>phone</i> ⁴ , <i>email</i> ⁴ , <i>address</i> ⁴)
4b	Corporate Partner (<u>Name</u> ⁴ , <i>phone</i> ⁴ , <i>email</i> ⁴ , <i>address</i> ⁴)	4e	Temporary Group (<u>Name</u> ⁴ , <i>phone</i> ⁴ , <i>email</i> ⁴ , <i>address</i> ⁴)
4c	Grant Institution (<u>Name</u> ⁴ , <i>phone</i> ⁴ , <i>email</i> ⁴ , <i>address</i> ⁴)	4f	Other (<u>Name</u> ⁴ , <i>phone</i> ⁴ , <i>email</i> ⁴ , <i>address</i> ⁴)

#	Entity_name(<u>Principal_Key(s)</u> , Attribute(s), <i>Foreign_key(s)</i>)		
5	Sector(<u>SectorName</u>)		
6	Skill(<u>SkillName</u>)		
7	Application(<u>Application#</u> , FormContent, Submitted_on, Reviewed_on, <i>InterviewName</i> ⁸)		
Relation(<i>Foreign_key</i> , <i>Partial_key</i> , Attributes)			
7a	Intern Application(<u>Application#</u> ⁷ , <i>FormContent</i> ⁷ , <i>Submitted_on</i> ⁷ , <i>Reviewed_on</i> ⁷ , <i>InterviewName</i> ⁸ , School, Grade, Low_income, Ethnicity, <i>Submitted_Lname</i> ¹ , <i>Submitted_Fname</i> ¹))	7b	Non-profit Application(<u>Application#</u> ⁷ , <i>FormContent</i> ⁷ , <i>Submitted_on</i> ⁷ , <i>Reviewed_on</i> ⁷ , <i>InterviewName</i> ⁸ , <i>Submitted_Lname</i> ¹ , <i>Submitted_Fname</i> ¹)
8	Interaction(<u>Name</u> , Date, Start_time, End_time, Budget, Location_name ⁹ , Person_Fname ¹ , Document_name ¹⁰ , Transaction_no ¹¹)		
Relation(<i>Foreign_key</i> , <i>Partial_key</i> , Attributes)			
8a	Interview(<u>Name</u> ⁸ , <u>Interview_Fname</u> ⁷ , <u>Interview_Lname</u> ⁷)	8e	Outreach(<u>Name</u> ⁸ , <u>Outreach_name</u>)
8b	Meeting(<u>Name</u> ⁸ , <u>Meeting_with_name</u>)	8f	Fundraiser(<u>Name</u> ⁸ , <u>Fundraiser_name</u>)
8c	Phone_call(<u>Name</u> ⁸ , <u>Phone_call_with_name</u>)	8g	Social(<u>Name</u> ⁸ , <u>Social_event_name</u>)
8d	Program(<u>Name</u> ⁸ , <u>Program_name</u>)	-	
9	Location(<u>Name</u> , Address, Capacity, type, <i>Interaction_name</i> ⁸)		
10	Document(<u>Name</u> , Date, Type, File, Interaction_name ⁸ , Person_Fname ¹ , Person_Lname ¹)		
Relation(<i>Foreign_key</i> , <i>Partial_key</i> , Attributes)			
10a	Program Material(<u>Name</u> ¹⁰ , <u>Program_material_name</u>)	10d	Marketing Collateral(<u>Name</u> ¹⁰ , <u>Marketing_collateral_name</u>)
10b	Administrative(<u>Name</u> ¹⁰ , <u>Administrative_material_name</u>)	10e	Other Document(<u>Name</u> ¹⁰ , <u>Other_document_name</u>)
10c	Financial(<u>Name</u> ¹⁰ , <u>Financial_document_name</u>)	-	

#	Entity_name(<u>Principal_Key(s)</u> , Attribute(s), Foreign_key(s))		
11	Transaction(<u>Transaction_no</u> , Description, Amount, Date, Limits, Interaction_name ⁸ , Person_Fname ¹ , Person_Lname ¹)		
Relation(<i>Foreign_key</i> , <i>Partial_key</i> , Attributes)			
11a	Expenditure(<u>Transaction_no</u> ¹¹ , <u>Expenditure_name</u> , <u>Expenditure_amount</u>)	11c	Grant(<u>Transaction_no</u> ¹¹ , <u>Grant_name</u> , <u>Grant_amount</u> , organization_name ⁴)
11b	Donation(<u>Transaction_no</u> ¹¹ , <u>Donation_by_name</u> , <u>Donation_amount</u>)	11d	Sponsorship(<u>Transaction_no</u> ¹¹ , <u>Sponsorship_name</u> , <u>Sponsorship_amount</u> , organization_name ⁴)

MANY-TO-MANY RELATIONS (7)

#	Relation(<u>Principal_Key(s)</u> , Attribute(s), <i>Foreign_key(s)</i>)
12	Organization_membership_persons (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Name ⁴)
13	Family_membership_guardian_of_persons (<u>First_Name</u> ^{1a.iv} , <u>Last_Name</u> ^{1a.iv} , <u>First_Name</u> ^{1b.iii} , <u>Last_Name</u> ^{1b.iii})
14	Skills_posessed_by_person (<u>Skill_Name</u> ⁶ , <u>First_Name</u> ¹ , <u>Last_Name</u> ¹)
15	Skills_required_by_internship (<u>Skill_Name</u> ⁶ , <u>Internship</u> ^{#2})
16	Skills_included_in_applications (<u>Application</u> ^{#7} , <u>Skill_Name</u> ⁶)
17	Interaction_participation_by_persons (<u>First_Name</u> ¹ , <u>Last_Name</u> ¹ , Name ⁸)
18	Document_association_with_interactions (Name ⁸ , Name ¹⁰)