





CNIT 2720

Director's Guild Association Database

10/7/2022

Phase 1

Team 13

Nelig Fernando

Cole Bryant

Noah Zhou

Krish Patel

Brayden Lingelbach

This database is being created for the Director's Guild of America. They require a database to manage union membership activities, pension plans, as well as the many sponsor companies and their employees who have joined the Director's Guild of America. This database will make managing these factors much easier than before and will benefit everyone involved. Everyone from sponsor companies, DGA employees, non-DGA employees who want to join a DGA company, and companies who want to hire DGA members will be able to utilize a streamlined application process to join the DGA. They also will be able to quickly fill out any necessary information in order to check eligibility for plans such as the DGA Choice health plan, the DGA Premier Choice health plan, or retirement pension plans. The database will be able to answer any questions such as ease of application, ease of accessing personal information whether it is a member or sponsor company, being able to easily apply through a computer instead of paper mail, and being able to manage other facets with a few mouse clicks

Entities & Attributes

MEMBERSHIP							
MemberID	Email	LastName	Password	PaymentID	PhoneNumber	FirstName	
Contribution							
PaymentID	TotalAmount	ContributionRate	DataReceived	SponsorID			
MEMBERSHIP_REQUEST							
MemRequestID	Description	MemberID	RequestDate				
DELETION_REQUEST							
RequestID	MemberID	Reason	Description	RequestDate			
TRANSFER_REQUEST							
TranRequestID	MemberID	Reason	Description	RequestDate			
PLAN_REQUEST							
PlanRequestID	MemberID	PlanID	Reason	Description	RequestDate		
PLAN							
PlanID	ProviderID	Type	Reward				
ADMIN_ACCOUNT							
AdminID	Email	Password	FirstName	LastName			
ID_REQUEST							
IDRequestID	AdminID	Description	RequestDate	SponsorID			
SPONSOR_ACCOUNT							
SponsorID	Password	CompanyLC	Company Name	IDRequest ID	MemRequ estID	TranRequ estID	PlanRequ estID
PROVIDER							
ProviderID	ProviderName	ProviderType					
ELIGIBILITY							
EligibilityID	PlanID	Type	Required				
CONDITION							
EligibilityID	Threshold	Description	Reason				

Attendance Table				
Name	Date	Duration	Method	Agenda
Nelig, Cole, Noah, Krish, Brayden	09/28/2022	50 Mins	Teams	Start Logical ERD

Nelig, Cole, Noah, Krish, Brayden	10/03/2022	1 HR	Teams	Work on Logical ERD
Nelig, Cole, Noah, Krish, Brayden	10/06/2022	1 Hr 50 Mins	In-Person	Finish up Logical ERD, meeting with TA
Nelig, Cole, Noah, Krish, Brayden	10/07/2022	45 Mins	Chat	Finish up Phase 1 Submission

Contributions					
Task	Nelig Fernando	Cole Bryant	Noah Zhou	Krish Patel	Brayden Lingelbach
Interpret Case Study	X	X	X	X	X
Create Entities	X	X	X	X	X
Create Attributes	X	X	X	X	X
Create Relationships	X	X	X	X	X
Create Attribute Types	X	X	X	X	X
Phase 1 Submission	X	X	X	X	X

Team 13 Contribution Explanations

Nelig Fernando: Helped create entities and attributes, supportive role with relationships and attribute types, created description of database with input from team

Cole Bryant: Helped create relationships and attribute types, supportive role with entities and attributes, created entities and attributes table for Phase 1 submission with input from team

Noah Zhou: Helped create entities and attributes, supportive role with relationships and attribute types, created contributions with input from team

Krish Patel: Helped create relationships and attribute types, supportive role with entities and attributes, created attendance table with input from team

Brayden Lingelbach: Owner of ERD, created entities, attributes, attribute types, and relationships, created contribution explanations with input from team