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IT410 – 001

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Domain Driven Design Document

Events

User Account Events

- User account created
- User account deleted
- User account updated
- User password updated

Person Events

- Person created
- Person deleted
- Person updated
- Person added to network
- Person removed from network
- Connection request sent to person
- Connection request accepted by person
- Person contacted
- Person replied

Organization Events

- Organization created
- Organization deleted
- Organization updated
- Organization added new location
- Organization added new position
- Organization rating changed

Application Events

- Application created
- Application deleted
- Application updated

- Application status changed

Location Events

- Location created
- Location deleted
- Location updated

Position Events

- Position created
- Position deleted
- Position updated

File Events

- File uploaded
- File deleted

Session Events

- Session created
- Session deleted
- Session expired

Commands

User Account Commands

- Create user account
- Set user account data
- Delete user account
- Authenticate user

Person Commands

- Create person
- Set person data
- Delete person
- Add person to network
- Remove person from network
- Set person date requested data
- Set person date added data

- Set person date contacted data
- Set person replied data

Organization Commands

- Create organization
- Set organization data
- Delete organization
- Add new organization location
- Add new organization position
- Set organization rating data

Application Commands

- Create application
- Set application data
- Delete application
- Set application status data

Location Commands

- Create location
- Set location data
- Delete location

Position Commands

- Create position
- Set position data
- Delete position

File Commands

- Upload file
- Delete file

Session Commands

- Create session
- Delete session

Queries

- Get account info
- Get person info
- Get list of persons based on network
- Get organization info
- Get list of organizations based on location
- Get list of organizations based on position
- Get application info
- Get list of applications based on organization
- Get list of applications based on position
- Get list of applications based on status
- Get location info
- Get position info
- Download file

Entities

User Account

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier
username	text	The user's chosen display name
password	encrypted text	The user's chosen password - encrypted
person id	UUID	The person ID for the user account's root person

Person

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier
first name	text	The person's given first name
last name	text	The person's last name
organization id	UUID	The organization ID for the organization where this person is employed

position id	UUID	The position ID for the position that the person holds at the organization they work at
network	list of UUIDs	A list of UUIDs for all the people that are in this person's network and the root person's network
date requested	date	The date that a connection request was sent (either by the user or by the person)
date added	date	The date that a connection request was accepted (either by the user or by the person)
date contacted	date	The date that a message was first sent between the user and the person
replied	boolean	Boolean value based on whether the recipient of the first message has responded to the initial message
description	text	A description of how the user met this person, why this connection is mutually beneficial, and any thoughts

Organization

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier
name	text	The name of the organization
locations	list of UUIDs	A list containing the UUIDs for all the locations where this organization has an office
positions	list of UUIDs	A list containing the UUIDs for all positions where the user has seen available at this organization
rating	number	A number between 0-10 where the user can rate how much they would like to work at this organization (0 being no desire, 10 being must work there)

description	text	A description of the organization, why this organization might stand out, and any thoughts

Application

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier
organization id	UUID	The organization ID for the organization that offered this application
position id	UUID	The position ID for the position that this application describes
files	list of UUIDs	A list containing the UUIDs for all files related to this application (i.e. resumes, cover letters, etc.)
status	number	A number between 0-8 that reflects the stage that this application is at (0: no response from organization; 1: response received but rejected; 2: response received and interview process underway; 3: interview process failed; 4 interview process successful and offer negotiation underway; 5: unable to negotiate offer; 6: offer negotiated and accepted; 7: user ended application process; 8: no response from organization and user has given up waiting)
date submitted	date	The date that the application was submitted
description	text	The application description
notes	text	Any notes that the user feels are relevant to the application, how the user came across the application,

		why the user submitted this application, and any thoughts

Value Objects

Location

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier
name	text	The name of the location
description	text	A description of the location, pros/cons of living in this location, and any thoughts

Position

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier
name	text	The name of the position
description	text	A description of the position, skills to be successful in this position, and any thoughts

File

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier
name	text	The name of the file
mime type	text	The mime type of the file
file path	text	The location of the file

Session

Property	Type	Description
id	UUID	Automatically generated, immutable, unique identifier which provides auth for the session

user id	UUID	The user ID for the authenticated user
expiration	date	The time/date that the session id/token will become invalid