## Concepts

### Metaphors

Representing the application’s as well as the structure the users’ experience.

Normally, all objects are tied to the job and are viewed in the context of the job,

i.e. elements relevant to, related to, helping to obtain the main prize - the end goal - the job.

Sometimes elements are independent of a specific job and can be tracked as such -

various preliminary conversations with recruiters, contacts, etc.

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* Wheel metaphor - Job is the hub; other objects are the spokes with endpoints.
* Solar system metaphor - Job is the sun; other objects are the planets.
* Star metaphor - Job is the center; other objects are star's endpoints.

## Entities

Emails (Sent, Received)

Email Attachments (document repository - MS-Office, images, PDFs, etc)

Websites

Conversations

Interviews

Applications

Submissions

Job Openings

People (Contacts, References, Recruiters, Interviewers, etc)

Companies

Offers

Job (end goal)

## Data model

Since all objects are tied to the job, each of the main objects has a M-1 relationship with the job.

Objects are also interrelated:

Conversation or Interview may involve more than one person - Conversation/Interview to Person - 1-M.

Companies - user might have interviewed with the company multiple times Company to Interview - 1-M.

Applications/Submissions - recruiters always ask if candidate has another active submission to the target

company;

Company to Submission - 1-M. A recent (<1yr old) submission would preclude a new submission.

## Job Search Process model

Workflow consisting of steps and sub-steps (multiple levels);

Each step contains (refers to) one or more entities which can be marked as "crucial" for the step.

Traversal of crucial steps can provide a big picture view of job search process.

Process has states: Initial, 1st Interview, 2nd Interview, ... Nth Interview, Offer, Negotiation, Acceptance of position

No two job searches are the same; the workflow is NOT predefined.

The workflow is a chain of activities: receive an email, call back, do the interview.

The workflow can be simply a chronological sequence of various elements which get tied to the job opening.

Introduction and capturing of the job opening starts the group of interconnected entities.

General conversation which are not necessarily tied to a job may be tracked as well; track comms with

recruiters, contacts, etc.

## Entity Details (Logical Schema)

Emails (Sent, Received);

Comments: can serialization of emails be automated to extract the data elements?

Elements

To

From

Subject

Body

Email Attachments (document repository - MS-Office, images, PDFs, etc)

Websites

URL

Login Info - UID, Pwd

Conversations

Interviews

Applications

Job Openings

People (Contacts, References, Recruiters, Interviewers, etc)

Companies

Offers

Job (end goal)