Translation between Intents and fulfillment

Based on our set of entities there are limited meaningful actions (verbs) between them.

I initially looked for the graph database to help simplify this problem (Pavel’s suggestion). I only have a limited knowledge of its potential, but it looks like the gap still exists between the HTTP Action object from the intent to the required SQL query to provide the answer.

I was thinking to just get started with something, to go with an existing pattern used from our StandaloneGroups functionality in Portal security.

There is a view spo.StandalongGroupStaff that expands to include related criteria for selecting staff via their HR attributes like Department/School, Jobcode, Role, Location…

It’s fed by the CompositeStandaloneGroupMember table maintained via json.

This would is specific to a staff entity. Other such entities would need to be constructed as the main focus with their related entity connections and attributes. All would be interconnected with the others.

Hoping that in this implementation we can see some opportunity for abstraction and better implementation. From Wikipedia:

*The****fundamental theorem of software engineering****(****FTSE****) is a term originated by*[*Andrew Koenig*](https://en.wikipedia.org/wiki/Andrew_Koenig_(programmer))*to describe a remark by*[*Butler Lampson*](https://en.wikipedia.org/wiki/Butler_Lampson)[*[1]*](https://en.wikipedia.org/wiki/Fundamental_theorem_of_software_engineering#cite_note-1)*attributed to the late*[*David J. Wheeler*](https://en.wikipedia.org/wiki/David_Wheeler_(computer_scientist))*:*[*[2]*](https://en.wikipedia.org/wiki/Fundamental_theorem_of_software_engineering#cite_note-2)

*We can solve any problem by introducing an extra level of*[*indirection*](https://en.wikipedia.org/wiki/Indirection)*.*

*The theorem does not describe an actual theorem that can be proven; rather, it is a general principle for managing complexity through*[*abstraction*](https://en.wikipedia.org/wiki/Abstraction_(computer_science))*.*