REST Endpoint Flow

Endpoint Flow

```
Cloud
   │
   ▼
Controller Endpoint ◄── Receives parameters as DTOs
   │
   ▼
Imapper used to convert to request/response models ◄── Request/Response are those used by Repositories
                                                    ◄── Profiles are used to map models to/from DTO's
   │
   ▼
Request forwarded to Repository ◄── ALL requests are async/tasks
   │
   ▼
Repository wraps in a unit of work transaction if database related
   │
   └──────────────────────────────────────────►
```

```
Decorator/Chain of Responsibility Hybrid Pattern ◄── (from chain notes)
   │
Start Link
   │
Pull Data
   │
Process Data
   │
Log Results
   │
If Successful transaction committed. Results returned.
   │
Controller maps back to response DTO
```

- Each chain begins with a "Start" class which creates the response model instance
- Response always contains IsSuccessful
- Response contains data collected at previous links
- Each link decides if it should continue based on data from previous links