Dynamic Data Processor - UML Diagram (Task 2)

C DataProcessor
- □ connectorFactory
- □ connector
- □ mode

- ● configure(modeId : ModeIdentifier, dbId : DatabaseIdentifier)
- ● process(dp : DataPoint)
- ● shutdown()

C DataPoint
- □ payload

- ● DataPoint()
- ● get(key)
- ● put(key, value)

C ProcessingResult
- □ success
- □ message

- ● ProcessingResult(success, message)
- ● isSuccess()
- ● getMessage()

configure with / *configure with*

uses

uses

E ModeIdentifier
- DUMP
- PASSTHROUGH
- VALIDATE

E DatabaseIdentifier
- POSTGRES
- REDIS
- ELASTIC

I IDatabaseConnectorFactory

- ● createConnector(dbId : DatabaseIdentifier)

I IProcessingMode

- ● process(dp : DataPoint, connector : IDatabaseConnector)
- ● name()

uses

C DatabaseConnectorFactory

- ● createConnector(dbId : DatabaseIdentifier)

C DumpMode

C PassthroughMode

C ValidateMode

creates

I IDatabaseConnector

- ● connect()
- ● disconnect()
- ● insert(dp : DataPoint)
- ● validate(dp : DataPoint)
- ● connectorName()

C PostgresConnector

C RedisConnector

C ElasticConnector