package com.twitter.ann.common

import com.twitter.ann.common.EmbeddingType.EmbeddingVector

import com.twitter.util.Future

object QueryableOperations {

implicit class Map[T, P <: RuntimeParams, D <: Distance[D]](

val q: Queryable[T, P, D]) {

def mapRuntimeParameters(f: P => P): Queryable[T, P, D] = {

new Queryable[T, P, D] {

def query(

embedding: EmbeddingVector,

numOfNeighbors: Int,

runtimeParams: P

): Future[List[T]] = q.query(embedding, numOfNeighbors, f(runtimeParams))

def queryWithDistance(

embedding: EmbeddingVector,

numOfNeighbors: Int,

runtimeParams: P

): Future[List[NeighborWithDistance[T, D]]] =

q.queryWithDistance(embedding, numOfNeighbors, f(runtimeParams))

}

}

}

}