package com.twitter.servo.repository

import com.twitter.util.{Future, Return, Throw, Try}

class ImmutableKeyValueRepository[K, V](data: Map[K, Try[V]])

extends KeyValueRepository[Seq[K], K, V] {

def apply(keys: Seq[K]) = Future {

val hits = keys flatMap { key =>

data.get(key) map { key -> \_ }

} toMap

val found = hits collect { case (key, Return(value)) => key -> value }

val failed = hits collect { case (key, Throw(t)) => key -> t }

val notFound = keys.toSet -- found.keySet -- failed.keySet

KeyValueResult(found, notFound, failed)

}

}