```swift
//
//  PlayAreaPathRESTWebAPIModelAccessStrategy.swift
//  f30
//
//  Created by David on 05/02/2018.
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//

import SFCore
import SFModel
import SFGridScape
import SFSocial
import SFSerialization
import SFNet
import f30Model

/// A strategy for accessing the PlayAreaPath model data using a REST Web API
public class PlayAreaPathRESTWebAPIModelAccessStrategy:
 RESTWebAPIModelAccessStrategyBase {

    // MARK: — Initializers

    private override init() {
        super.init()
    }

    public override init(connectionString: String,
                         storageDateFormatter: DateFormatter) {
        super.init(connectionString: connectionString,
                   storageDateFormatter: storageDateFormatter,
                   tableName: "PlayAreaPaths")

    }


    // MARK: — Private Methods

    fileprivate func runQuery(byFromCellCoord fromCellCoord: CellCoord,
     toCellCoord: CellCoord, playAreaPathAbilityWrapper:
     PlayAreaPathAbilityWrapper, loadRelationalTablesYN: Bool, into collection:
     ProtocolModelItemCollection, oncomplete completionHandler:@escaping
     ([String:Any]?, Error?) -> Void) {

        #if DEBUG

            if (ApplicationFlags.flag(key: "LoadPlayAreaPathsDummyDataYN")) {

                self.selectDummy(byFromCellCoord: fromCellCoord, toCellCoord:
                 toCellCoord, playAreaPathAbilityWrapper:
                 playAreaPathAbilityWrapper, loadRelationalTablesYN:
                 loadRelationalTablesYN, into: collection, oncomplete:
                 completionHandler)

                return

            }
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        #endif

        // Create the dataWrapper
        let dataWrapper:              DataJSONWrapper = DataJSONWrapper()
        dataWrapper.setParameterValue(key: "\
          (PlayAreaPathDataParameterKeys.LoadRelationalTablesYN)", value: "\
          (loadRelationalTablesYN)")

        // Create processResponse completion handler
        let processResponseCompletionHandler: (([String:Any]?, URLResponse?,
          Error?) -> Void) =
        {
            (data, response, error) -> Void in  // [weak self]

            // Call the completion handler
            completionHandler(data, error)
        }

        // Create processResponse
        let processResponse:          ((NSMutableData?, URLResponse?, Error?) ->
          Void) = self.getProcessResponse(oncomplete:
          processResponseCompletionHandler)

        // Create restApiHelper
        let restApiHelper:            RESTApiHelper = RESTApiHelper(processResponse:
          processResponse, mode: RESTApiHelperMode.CompletionHandler)

        // Get the Url
        var urlString:                String =
          NSLocalizedString("PlayAreaPathsSelectByFromCellCoordToCellCoordUrl",
          tableName: "RESTWebAPIConfig", comment: "")
        urlString                     = String(format: urlString,
                                        fromCellCoord.column,
                                        fromCellCoord.row,
                                        toCellCoord.column,
                                        toCellCoord.row,
                                        "\
                                          (playAreaPathAbilityWrapper.playAr
                                          eaPathAbilityType.type)")

        // Call the REST Api
        restApiHelper.call(urlString: urlString, httpMethod: .POST, data:
          dataWrapper)

    }


    // MARK: - Override Methods


    // MARK: - Dummy Data Methods

    fileprivate func selectDummy(byFromCellCoord fromCellCoord: CellCoord,
      toCellCoord: CellCoord, playAreaPathAbilityWrapper:
      PlayAreaPathAbilityWrapper, loadRelationalTablesYN: Bool, into collection:
      ProtocolModelItemCollection, oncomplete completionHandler:@escaping
      ([String:Any]?, Error?) -> Void) {
```

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        let defaultKey:          String = "byFromCellCoord"
        //let key:               String = defaultKey + "_\(fromCellCoord.column)_\
         (fromCellCoord.row)_toCellCoord_\(toCellCoord.column)_\
         (toCellCoord.row)_type_\
         (playAreaPathAbilityWrapper.playAreaPathAbilityType.type)"


        // DEBUG:

        let key: String = "byFromCellCoord_0_0_toCellCoord_3_0_type_ByFoot"

        // Get string for key
        var responseString:      String  = NSLocalizedString(key, tableName:
         "PlayAreaPathsDummyRESTWebAPIResponse", comment: "")

        // If not found then use defaultKey
        if (responseString == key) {

            responseString       = NSLocalizedString(defaultKey, tableName:
             "PlayAreaPathsDummyRESTWebAPIResponse", comment: "")

        }

        // Convert the response to JSON dictionary
        let data:                [String:Any]? =
         JSONHelper.stringToJSON(jsonString: responseString) as? [String:Any]

        guard (data != nil) else {

            // Call the completion handler
            completionHandler(nil, nil)

            return

        }

        // Process the data
        let returnData:          [String:Any]? =
         self.processRESTWebAPIResponse(responseData: data!)

        // Call the completion handler
        completionHandler(returnData, nil)

    }

}

// MARK: - Extension ProtocolPlayAreaPathModelAccessStrategy

extension PlayAreaPathRESTWebAPIModelAccessStrategy:
 ProtocolPlayAreaPathModelAccessStrategy {

    // MARK: - Public Methods
```

```swift
    public func select(byFromCellCoord fromCellCoord: CellCoord, toCellCoord:
     CellCoord, playAreaPathAbilityWrapper: PlayAreaPathAbilityWrapper,
     loadRelationalTablesYN: Bool, collection: ProtocolModelItemCollection,
     oncomplete completionHandler: @escaping ([String : Any]?,
     ProtocolModelItemCollection?, Error?) -> Void) {

        // Create completion handler
        let runQueryCompletionHandler: (([String:Any]?, Error?) -> Void) =
         self.getRunQueryCompletionHandler(collection: collection, oncomplete:
         completionHandler)

        // Run the query
        self.runQuery(byFromCellCoord: fromCellCoord, toCellCoord: toCellCoord,
         playAreaPathAbilityWrapper: playAreaPathAbilityWrapper,
         loadRelationalTablesYN: loadRelationalTablesYN, into: collection,
         oncomplete: runQueryCompletionHandler)


    }

}
```