

# FlightSRP Assignment

Problem statement Fetch data from "<https://www.ixigo.com/sampleFlightData>" and show them in list

**Install and Run** - As no pods are used so download and run it

## Architecture

Code structure has been divided like Three folders - Core , Network Layer, Presentation Layer

### 1. Followed MVVM Architecture along with object oriented along with Solid principles:

1. **DomesticFlightSRPViewController**- Contains all UI stuff related code.
2. **FlightSRPResponseModel** - Conforms Codable protocol
3. **Network Layer** - Tried to use of generics and singleton pattern
4. **Applied all possible sorting logics and applied animations**

## Unit Testing

Cover all possible test cases in the project

1. **FlightSRPResponseModelTests.swift** - Tested initialization of FlightSRPResponseModel  
- testViewModelInitialisation()
2. **NetworkLayerTest.swift** - Tested the api call for both success and failure cases  
testFetchFlightServiceSuccess()  
testFetchFlightServiceFailure()
3. **DomesticFlightCellModelTests** - testGetTripDurationSuccess() and testGetTripDurationFailure()