iOS Test Assignment - Rx

Background:

The iOS network activity indicator should be shown any time an Rx network call is made (for example, with Moya).

Problem:

Write an Rx operator which shows the networking indicator and hides on on error, completion, or onNext of an observable sequence, to be used as follows:

```
SomeApiProvider.request(.someEndpoint)
      .mapArray(SomeModel.self)
      .showNetworkActivityIndicator()
      .subscribe { models in … }
```

Or:

```
URLSession.shared.rx.response(request: req)
      .map { (response: HTTPURLResponse, data: Data) in
          UIImage(data: data)
      }
      .showNetworkActivityIndicator()
      .subscribe { image in … }
```

The examples above show use of Moya or RxCocoa's binding on URLSession, but the operator should work over any observable.

Deliverables:

- Your extension implementation
- All related classes
- A simple viewcontroller which makes use of the operator

You may deliver a full working xcode project, or just the files mentioned above.