

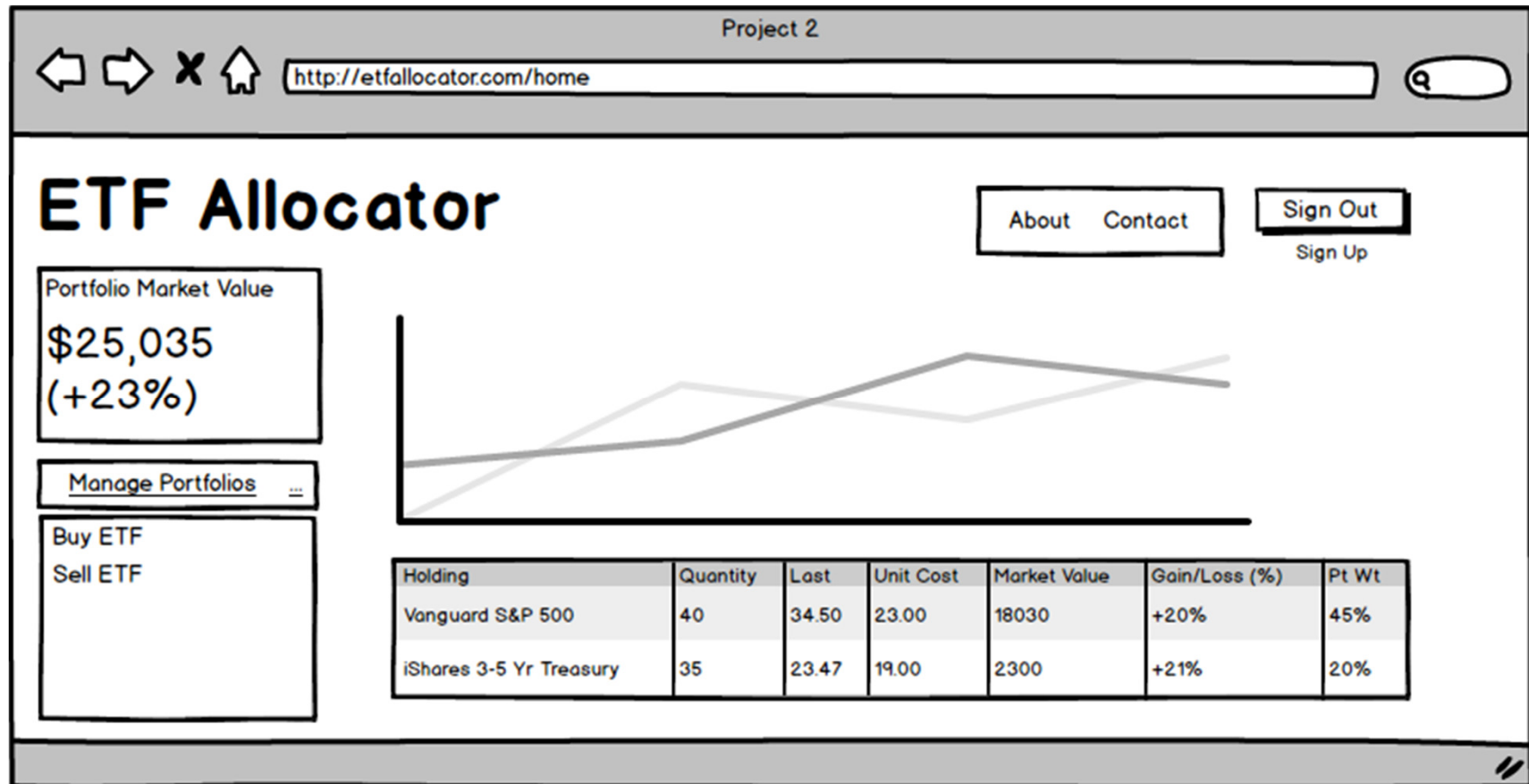
Project 2 – ETF Allocator

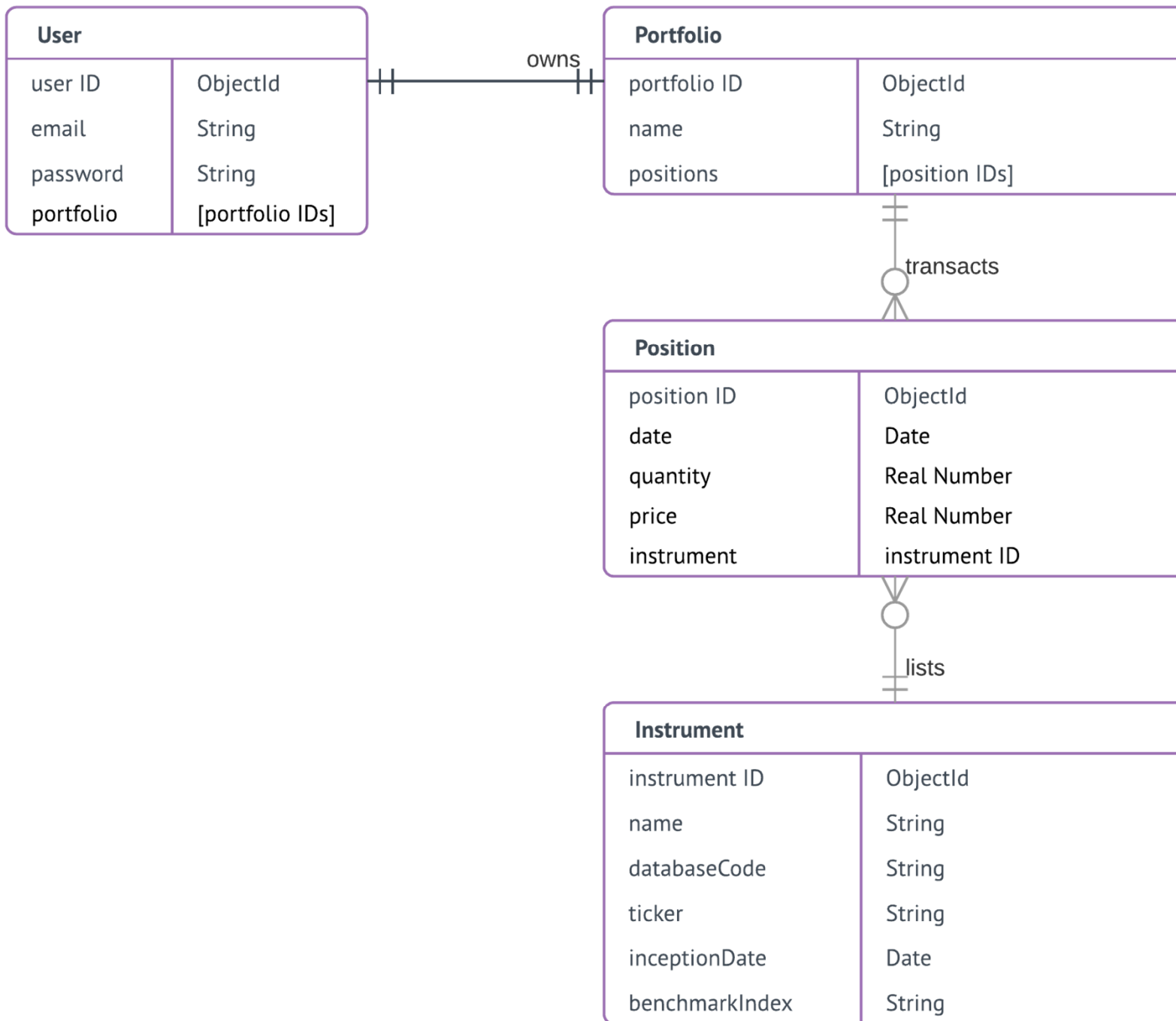
by Kepler62f

Wireframe

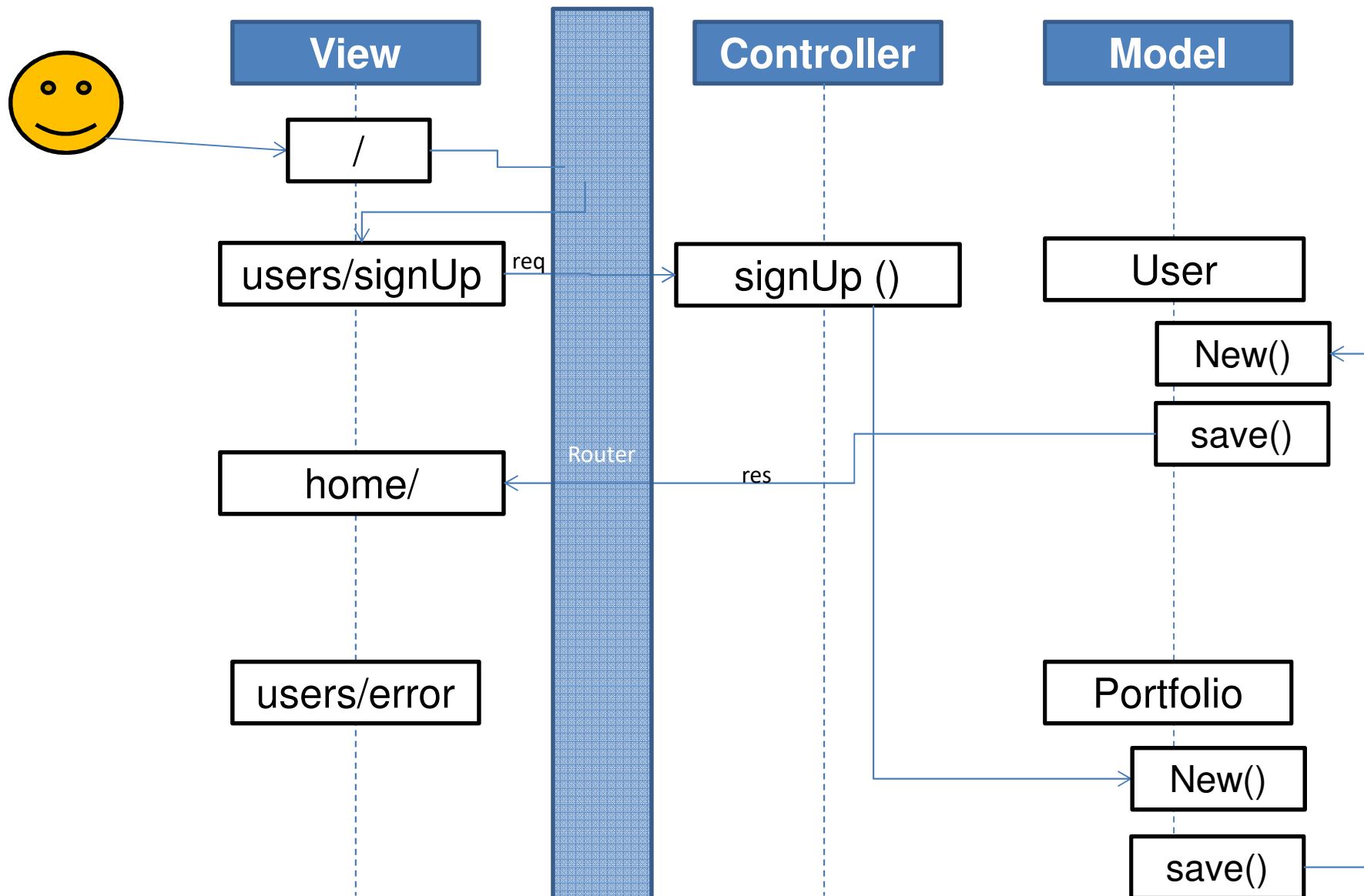


Wireframe

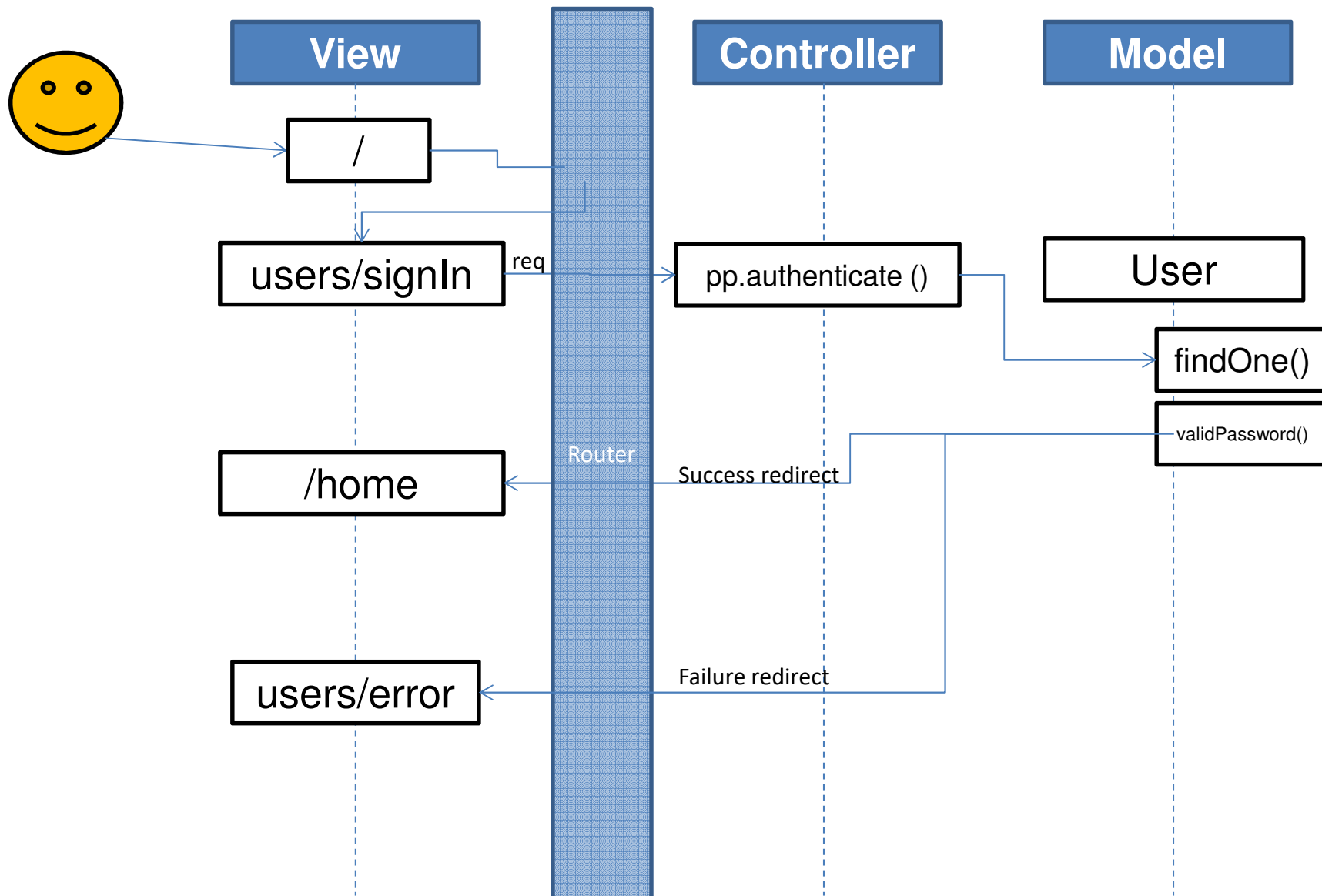




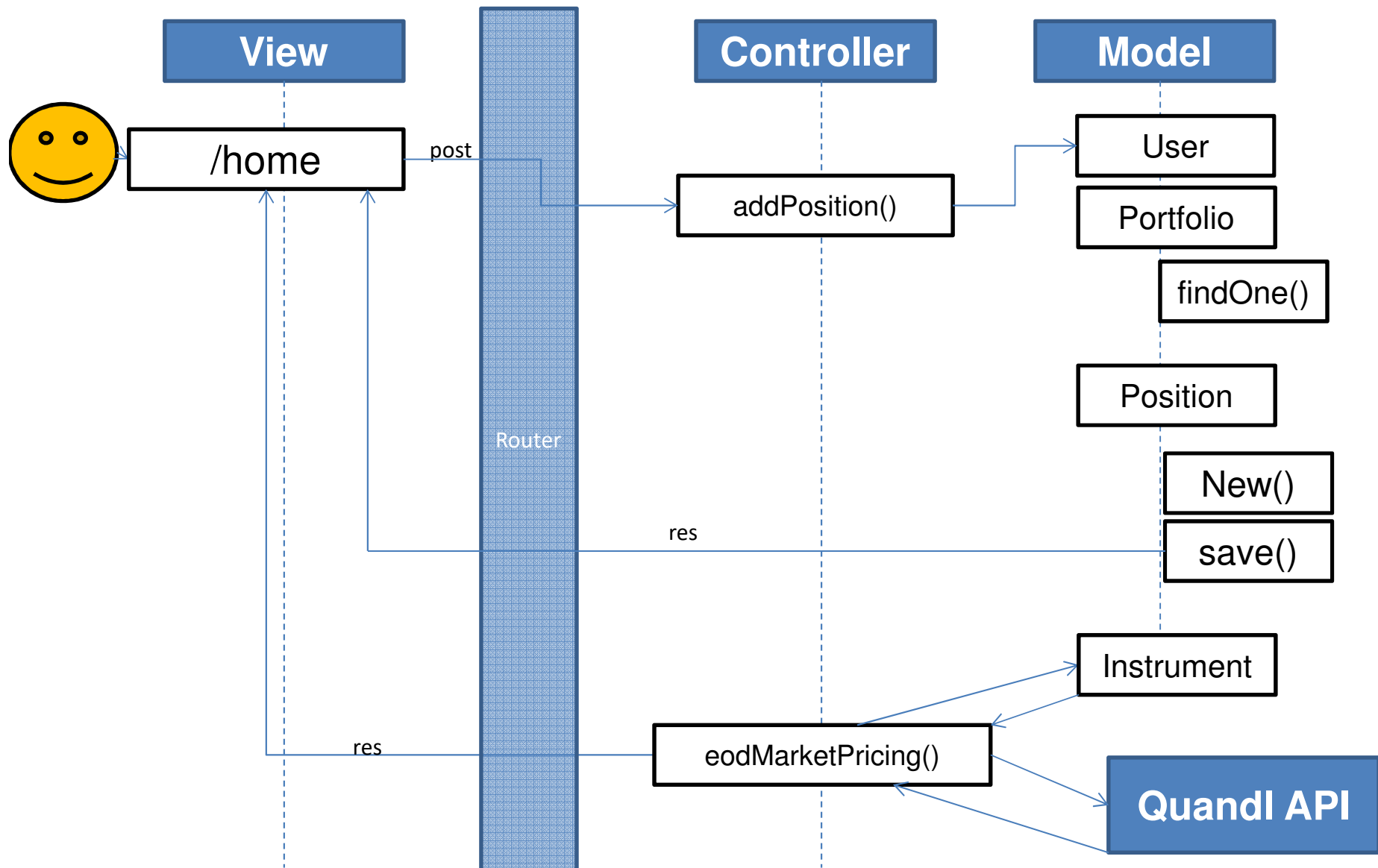
System Sequence – New User



System Sequence – Sign In & Buy (Part 1)



System Sequence – Sign In & Buy (Part 2)



Code Snippet – ajax call

```
$buyInstrument.on('click', function(event) { ///#buyInstrument'
  event.preventDefault() // prevents refresh of page

  var id = $('#instrumentsMenu option:selected').val()

  if (id !== '') { // only make ajax req is id not null

    var instrumentID = {instrumentID: id}
    console.log('instrumentID ', instrumentID)

    $.ajax({
      url: '/home/addPosition',
      type: 'POST',
      data: instrumentID,
    }).done(function (res) {

      console.log('success submitting buy selection')

      var newPosition = res.savedPosition

      $('#positionUl').append('<li id="' + ${newPosition._id} + ">${newPosition.instrument.name} <a

    }).fail(function (res) {
      console.log('error submitting buy selection')
    })
  })
}
```


Code Snippet – handling async event

```
$instrumentsMenu.change(function (event) {  
    event.preventDefault()  
  
    var id = $('#instrumentsMenu option:selected').val()  
  
    $('#eodMktPricing').html('') // clears listing while waiting for res  
  
    if (id !== '') { // send ajax req only if instrument is selected  
        $('#eodMktPricing').html(  
            `Downloading price...<img src="http://static.spotapps.co/assets/widgets/loading.gif" sty`  
        )  
  
        var instrumentID = {instrumentID: id}  
  
        $.ajax({  
            url: '/home/eodMktPricing',  
            type: 'POST',  
            data: instrumentID,  
        }).done(function (res) {  
            console.log('success getting market price thru backend')  
            var parseRes = JSON.parse(res)  
            var eodMktPrice = parseRes.dataset_data.data[0][4]  
            var eodMktPriceDate = parseRes.dataset_data.data[0][0]  
            $('#eodMktPricing').html(`End of Day Market Price (as of ${eodMktPriceDate}): \${eodMktPrice}`)  
        }).fail(function (res) {  
            console.log('error getting market price thru backend')  
        })  
    }  
})
```

Code Snippet – populate multiple

```
Portfolio
.findOne({_id: foundUser.portfolio[0]})
.exec(function (err, foundPortfolio) {

  if (!foundPortfolio) {
    res.render('home/home', {
      userDisplayName: req.user.name,
      portMktVal: 5, // marketValue(req, res),
      instrumentsList: instrumentsList
    })
  } else {

    Position // find all positions given an array of positions IDs
    .find({
      _id: {
        $in: foundPortfolio.positions
      }
    }, function(err, foundInstruments) {
      // populate an array of positions
      Instrument.populate(foundInstruments, 'instrument', function (err, populatedInstruments)

        res.render('home/home', {
          userDisplayName: req.user.name,
          portMktVal: 6, //marketValue(req, res),
          instrumentsList: instrumentsList,
          portHolding: populatedInstruments
        })
        console.log('buildpage rendering is done...',Date())
      })
    })
  }
})
```