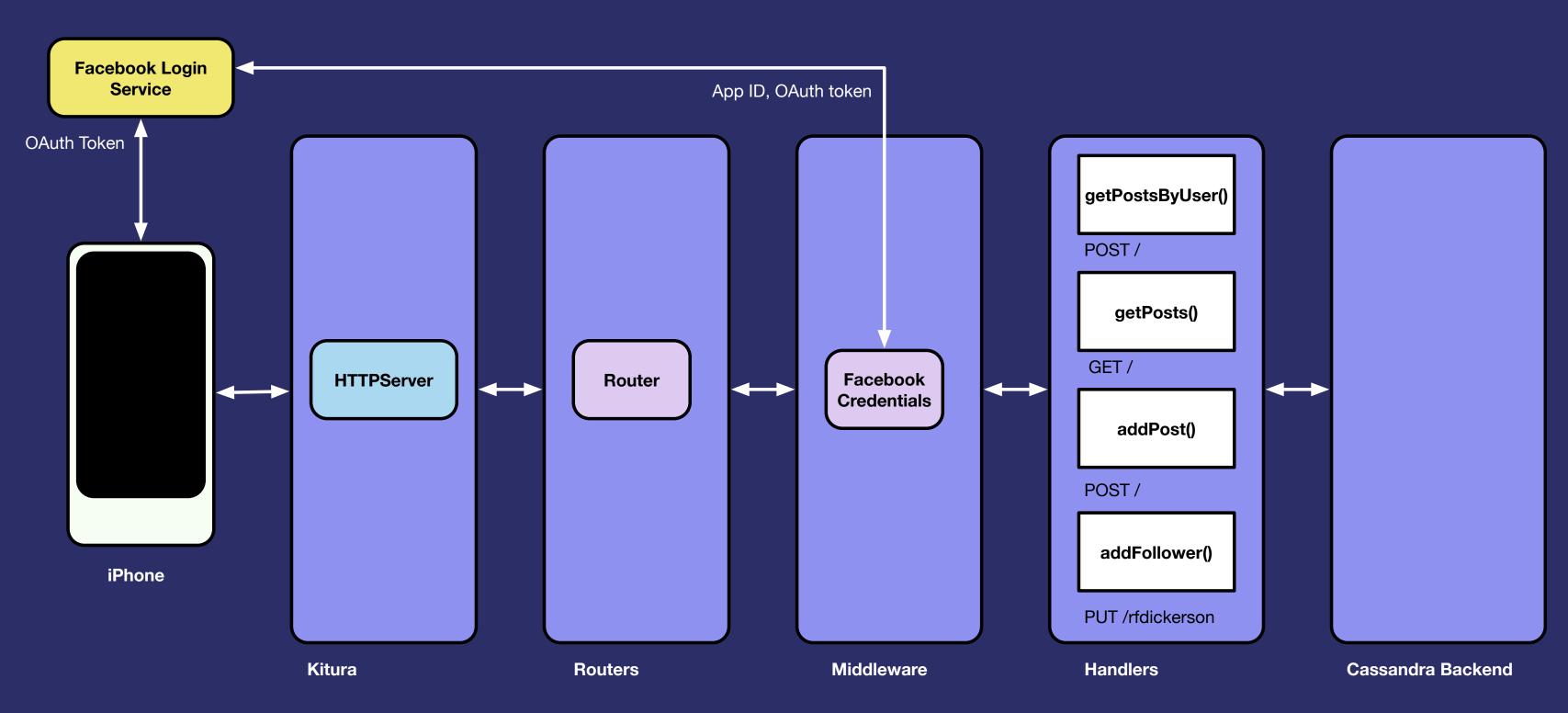
Blitter

Building a Social networking backend in Swift 3



- → Set up up project and dependencies
 - → Set up routes
 - → Add Facebook authentication
 - → Set up the model and database
 - → Handle the requests

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Create the boilerplate

```
$ ~/> mkdir Blitter && cd Blitter
$ ~/Blitter/> swift package init
```

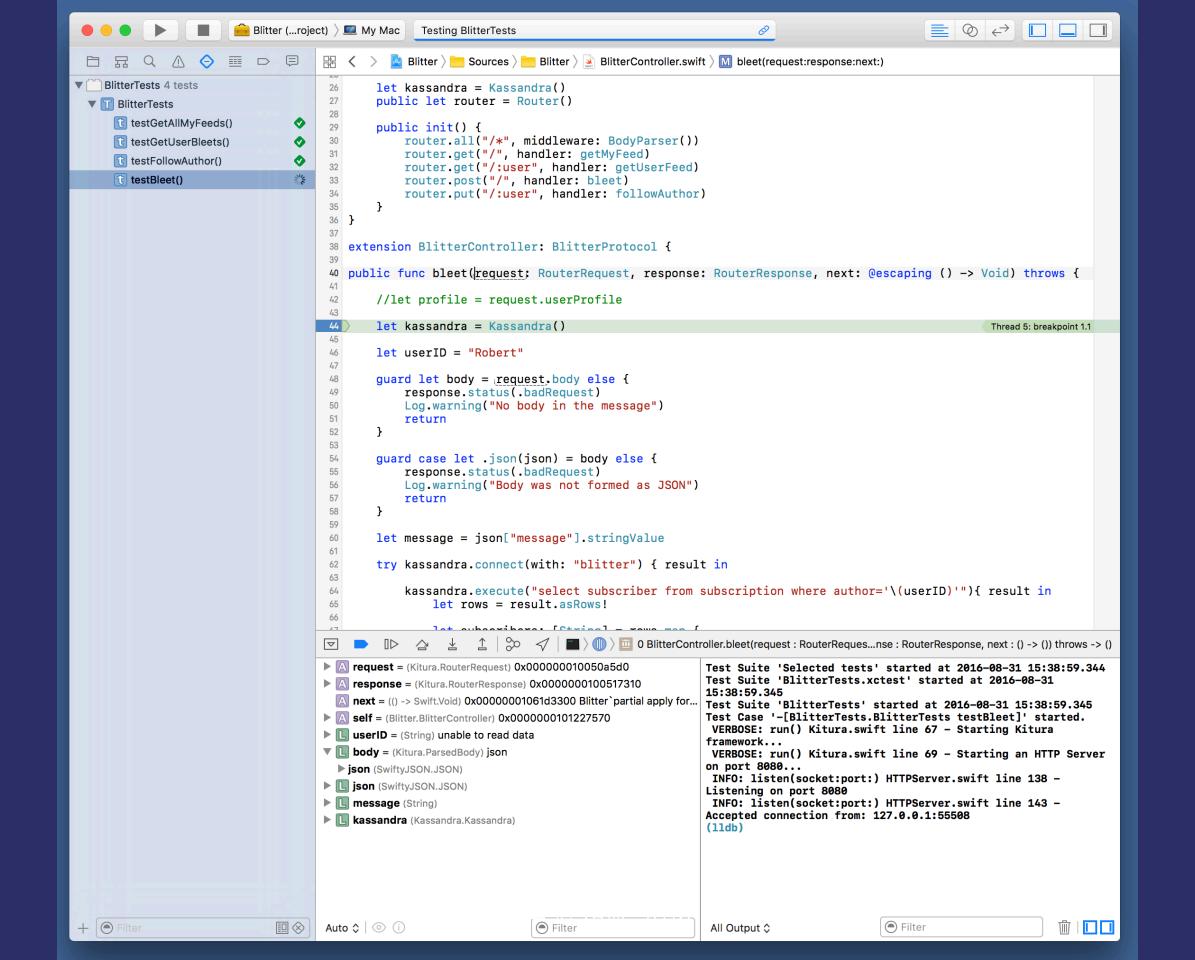
Create the boilerplate

```
Creating library package: Blitter
Creating Package.swift
Creating .gitignore
Creating Sources/
Creating Sources/Blitter.swift
Creating Tests/
Creating Tests/LinuxMain.swift
Creating Tests/BlitterTests/
Creating Tests/BlitterTests/BlitterTests.swift
```

\$ ~/Blitter/> swift package init

If you want to develop in XCode

```
$ ~/Blitter/> swift package generate-xcodeproj
$ ~/Blitter/> open Blitter.xcodeproj
```



Add dependencies

Importing packages

```
// main.swift
import Foundation
import Dispatch

import Kitura
import Kassandra
import SwiftyJSON
```

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Basic Routing

```
router.get("/") { request, response, next throws in
  // Get my Feed here
router.get("/:user") { request, response, next throws in
  // Get user bleets here
  let user = request.parameters["user"]
router.post("/") { request, response, next throws in
  // Add a Bleet here.
```

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Adding Credentials middleware:

```
import Credentials
import CredentialsFacebook

let credentials = Credentials()
let facebookCredentials = CredentialsFacebook()

credentials.register(fbCredentials)
```

Using the Credentials middlware

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Bleet Model

```
struct Bleet {
  let id:
                   UUID
                   String
  let user:
  let message: String
  let postDate:
                   Date
extension Bleet : Model {
  static let tableName = "Bleet"
 // other mapping goes here
```

Get the list of Bleets

```
func getBleets(oncomplete: ([Bleet]?, Error?) -> Void) {
  try kassandra.connect(with: "blitter") { _ in
    Post.fetch(limit: 50) { bleets, error in
       guard let bleets = bleets else {
          oncomplete( nil, error )
       oncomplete( bleets.flatMap() { Bleet.init() }, nil )
```

Save the Bleet

```
let bleet = Bleet(id
                      : UUID(),
                user : userId,
                 body : "I love Swift!",
                 timestamp : Date()
try kassandra.connect(with: "blitter") { _ in
   bleet.save()
```

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Get back Blitter feed

```
getBleets { bleets, error in
    guard let bleets = bleets else {
        response.status(.badRequest).send()
        response.next()
        return
    response.status(.OK)
        .send(json: JSON(bleets.toDictionary()))
        response.next()
```

Save a post

```
router.post("/") { request, response, next throws in
  guard let httpBody = request.body else { /* ... */ }
  guard case let .json(json) = body else { /* ... */ }
  guard let message = json["message"].stringValue { /* ... */ }
   let bleet = Bleet(id: UUID(), message, Date(), userId)
   saveBleet(bleet)
       .onSuccess {
          response.status(.OK).send().end()
```

See it in action