

The screenshot shows the Postman application interface. The left sidebar displays a project structure under 'Smack' with various collections and requests. The main workspace shows a collection named '3. Add User' with a POST request to 'http://localhost:3005/v1/user/add'. The 'Headers' tab is selected, showing two headers: 'Authorization' with value 'Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....' and 'Content-Type' with value 'application/json'. Below the request, a 'Response' section is visible.

**3. Add User**

POST http://localhost:3005/v1/user/add

Headers (2)

Key	Value	Description	...	Bulk Edit	Presets
Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....				
Content-Type	application/json				

**1. Register User**  
**2. Login User**  
**3. &now CreateUser**

The screenshot shows the Postman application interface. On the left, the Smack workspace is visible with several collections and their requests listed. The main area is the 'Builder' tab where a POST request is being configured.

**Builder Tab:**

- Request Type:** POST
- URL:** http://localhost:3005/v1/user/add
- Body (JSON):** (Selected)  
The JSON payload is:

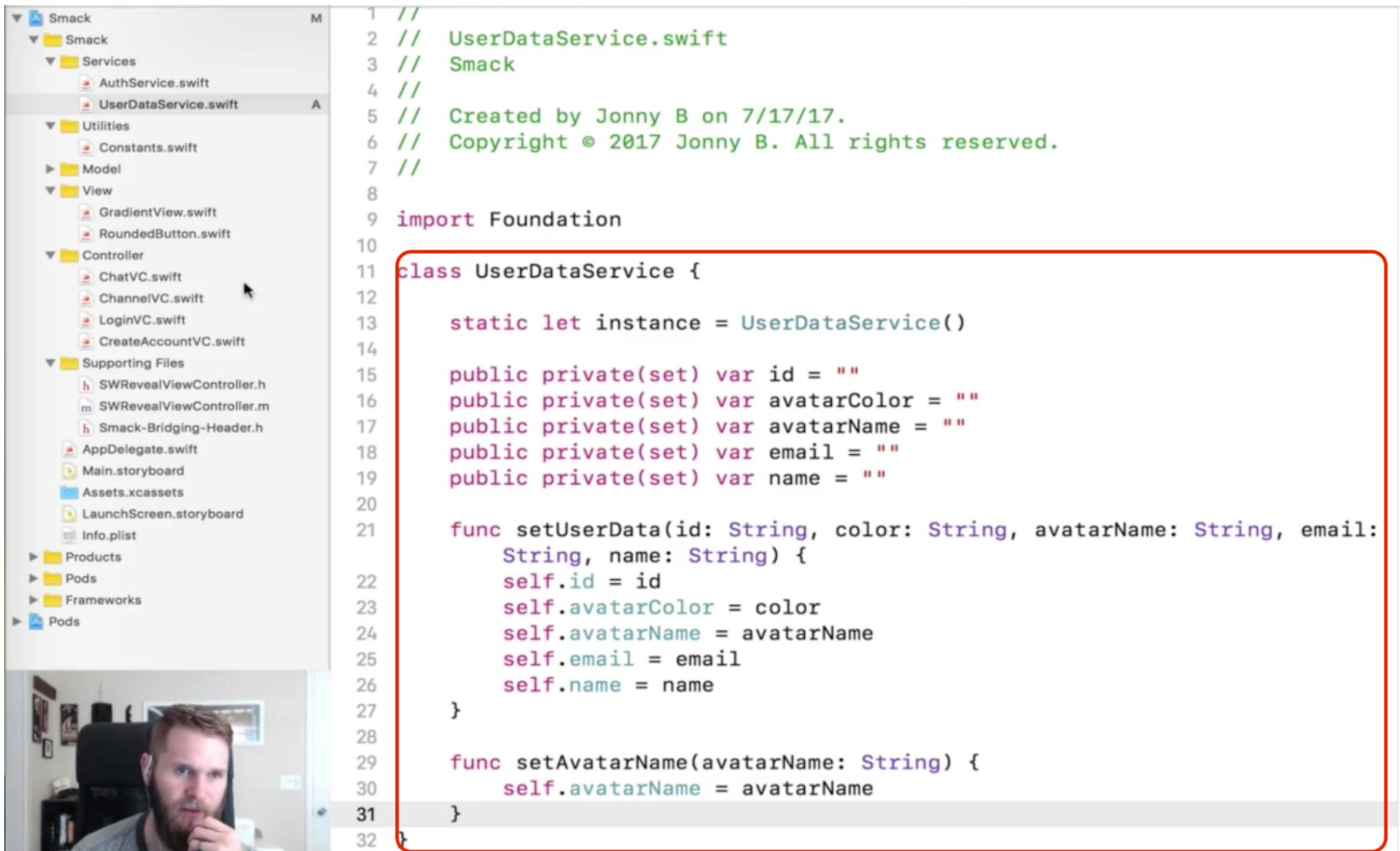
```
1 {  
2   "name": "JB",  
3   "email": "j@j.com",  
4   "avatarName": "dark5",  
5   "avatarColor" : "hexValue"  
6 }
```
- Headers:** (2)
- Params:**
- Tests:**

**Team Library:** IN SYNC

**Jonny B**

**Smack Workspace:**

- Collections:** History, FoodTruckAPI (6 requests), Mac Chat API (12 requests).
- Items:** POST 1. Auth Register User, POST 2. Auth Login User, POST 3. Add User (highlighted in grey), GET Find all users, GET Find user by id, PUT Update User by Id, DEL Delete User by Id, GET Auth Find Me.



The image shows a screenshot of the Xcode IDE. On the left, the Project Navigator displays the project structure for 'Smack'. The 'UserDataService.swift' file is selected and highlighted with a red border. On the right, the Editor pane shows the source code for 'UserDataService.swift'.

```
1 //  
2 // UserDataService.swift  
3 // Smack  
4 //  
5 // Created by Jonny B on 7/17/17.  
6 // Copyright © 2017 Jonny B. All rights reserved.  
7 //  
8  
9 import Foundation  
10  
11 class UserDataService {  
12  
13     static let instance = UserDataService()  
14  
15     public private(set) var id = ""  
16     public private(set) var avatarColor = ""  
17     public private(set) var avatarName = ""  
18     public private(set) var email = ""  
19     public private(set) var name = ""  
20  
21     func setUserData(id: String, color: String, avatarName: String, email:  
22         String, name: String) {  
23         self.id = id  
24         self.avatarColor = color  
25         self.avatarName = avatarName  
26         self.email = email  
27         self.name = name  
28     }  
29  
30     func setAvatarName(avatarName: String) {  
31         self.avatarName = avatarName  
32     }  
33 }
```

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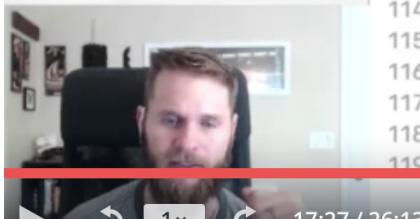
Smack > Smack > Utilities > Constants.swift > No Selection

```
3 // Smack
4 //
5 // Created by Jonny B on 7/14/17.
6 // Copyright © 2017 Jonny B. All rights reserved.
7 //
8
9 import Foundation
10
11 typealias CompletionHandler = (_ Success: Bool) -> ()
12
13 // URL Constants
14 let BASE_URL = "https://chattychatjb.herokuapp.com/v1/"
15 let URL_REGISTER = "\(BASE_URL)account/register"
16 let URL_LOGIN = "\(BASE_URL)account/login"
17 let URL_USER_ADD = "\(BASE_URL)user/add" // Line 17, highlighted with a red box
18
19 // Segues
20 let TO_LOGIN = "toLogin"
21 let TO_CREATE_ACCOUNT = "toCreateAccount"
22 let UNWIND = "unwindToChannel"
23
24 // User Defaults
25 let TOKEN_KEY = "token"
26 let LOGGED_IN_KEY = "loggedIn"
27 let USER_EMAIL = "userEmail"
28
29 // Headers
30 let HEADER = [
31     "Content-Type": "application/json; charset=utf-8"
32 ]
33
34
35
36
```



Creating a user  
Section 11, Lecture 86

```
func createUser(name: String, email: String, avatarName: String, avatarColor: String, completion: @escaping CompletionHandler) {  
  
    let lowerCaseEmail = email.lowercased()  
  
    let body: [String: Any] = [  
        "name": name,  
        "email": lowerCaseEmail,  
        "avatarName": avatarName,  
        "avatarColor": avatarColor  
    ]  
  
    let header = [  
        "Authorization": "Bearer \(AuthService.instance.authToken)",  
        "Content-Type": "application/json; charset=utf-8"  
    ]  
  
    Alamofire.request(URL_USER_ADD, method: .post, parameters: body, encoding: JSONEncoding.default, headers: header).responseJSON { (response) in  
  
        if response.result.error == nil {  
            guard let data = response.data else { return }  
            let json = JSON(data: data)  
            let id = json["_id"].stringValue  
            let color = json["avatarColor"].stringValue  
            let avatarName = json["avatarName"].stringValue  
            let email = json["email"].stringValue  
            let name = json["name"].stringValue  
  
            UserDataService.instance.setUserData(id: id, color: color, avatarName: avatarName, email: email, name: name)  
            completion(true)  
        } else {  
            completion(false)  
            debugPrint(response.result.error as Any)  
        }  
    }  
}
```



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Smack

Smack

Services

AuthService.swift

UserDataService.swift

Utilities

Constants.swift

Model

View

GradientView.swift

RoundedButton.swift

Controller

ChatVC.swift

ChannelVC.swift

LoginVC.swift

CreateAccountVC.swift

Supporting Files

SWRevealViewController.h

SWRevealViewController.m

Smack-Bridging-Header.h

AppDelegate.swift

Main.storyboard

Assets.xcassets

LaunchScreen.storyboard

Info.plist

Products

Pods

Frameworks

Pods

Smack

Smack

Controller

CreateAccountVC.swift

createAccntPressed(\_)

```
var avatarName = "profileDefault"
var avatarColor = "[0.5, 0.5, 0.5, 1]"

override func viewDidLoad() {
    super.viewDidLoad()

}

@IBAction func createAccntPressed(_ sender: Any) {
    guard let name = usernameTxt.text , usernameTxt.text != "" else { return }
    guard let email = emailTxt.text , emailTxt.text != "" else { return }
    guard let pass = passTxt.text , passTxt.text != "" else { return }

    AuthService.instance.registerUser(email: email, password: pass) { (success) in
        if success {
            AuthService.instance.loginUser(email: email, password: pass, completion: { (success) in
                if success {
                    AuthService.instance.createUser(name: name, email: email, avatarName: self.avatarName, avatarColor: self.avatarColor, completion: { (success) in
                        if success {
                            print(UserDataService.instance.name,
                                  UserDataService.instance.avatarName)
                            self.performSegue(withIdentifier: UNWIND, sender: nil)
                        }
                    })
                }
            })
        }
    }
}
```