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//
// AdminStudentDetailViewController.swift
// AttendanceApplication
//

import UIKit
import Alamofire

class AdminStudentDetailViewController: UIViewController {

    // MARK: IBOutlets

    @IBOutlet weak var studentEmail: UILabel!
    @IBOutlet weak var studentName: UILabel!
    @IBOutlet weak var locationTableView: UITableView!

    // MARK: Private properties

    private var locations: [Location] = []

    // MARK: Public properties

    var student: Student!

    // MARK: UIViewController methods

    override func viewDidLoad() {
        super.viewDidLoad()

        self.locationTableView.delegate = self
        self.locationTableView.dataSource = self

        // Get the labels and locations and update the labels and table
        setLabels()
        getLocations()
    }

    override func prepare(for segue: UIStoryboardSegue, sender: Any?) {
        if segue.identifier == "locationTableToDetail" {
            let destination_VC = segue.destination as! MapViewController
            destination_VC.location = sender as? Location
        }
    }

    // MARK: Internal methods

    internal func getLocations(){
        /*
        * Function that retrieves all locations in the past day and returns them as
        a dynamic array of Locations.
        */
        let parameters: Parameters = [
            "type": "admin.get_student_location",
            "args": [

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        "student_id": self.student.id
    ]
]

Alamofire.request(HTTPHelper.url, method: .post, parameters: parameters,
encoding: JSONEncoding.default).responseJSON { (response) in
    switch response.result {
    case .failure(_):
        print("failure")
        return

    case .success(let data):
        // First make sure a dictionary is recieved: Data validation
        guard let json = data as? [String : AnyObject] else {
            // Print statement for debugging purposes, not seen by users.
            print("Failed to get expected dictionary from webserver.")
            return
        }

        // Then make sure that key/value pairs are correct: Data validation
        guard let success = json["successful"] as? Int, let locations =
            json["results"] as? [[String: String]] else {
            // Print statement for debugging purposes, not seen by users.
            print("Failed to get expected data from webserver")
            return
        }

        if success == 1 {
            var locationObjectList = [Location]()

            for location in locations {
                locationObjectList.append(Location(locationJSONObject:
                    location))
            }
            self.locations = locationObjectList
            self.locationTableView.reloadData()
        } else {

        }
    }
}

internal func setLabels() {
    self.studentEmail.text = student.email
    self.studentName.text = student.name
}

}

// MARK: Extentions

extension AdminStudentDetailViewController: UITableViewDataSource,
UITableViewDelegate {

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func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) ->
    Int {
    return locations.count
}

func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) ->
    UITableViewCell {
    let location = locations[locations.count - indexPath.row - 1]
    let cell = locationTableView.dequeueReusableCell(withIdentifier:
        "LocationCell") as! LocationCell
    cell.setLabels(location: location)
    return cell
}

func tableView(_ tableView: UITableView, didSelectRowAt indexPath: IndexPath) {
    let location: Location
    location = locations[locations.count - indexPath.row - 1]
    performSegue(withIdentifier: "locationTableToDetail", sender: location)
}

}

```