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*// ArticlesViewController.swift*

*// iCatchUpF*

*//*

*// Created by Diego Salas Noain on 7/4/19.*

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*//*

**import** UIKit

**import** os

**private** **let** reuseIdentifier = "Cell"

**class** ArticleCell: UICollectionViewCell {

**var** article: Article?

**@IBOutlet** **weak** **var** pictureImageView: UIImageView?

**@IBOutlet** **weak** **var** titleLabel: UILabel?

**override** **func** awakeFromNib() {

**super**.awakeFromNib()

*// Initialization code*

}

**func** update(from article: Article) {

**self**.article = article

**if** **let** urlString = article.urlToImage {

**self**.pictureImageView?.setImage(

fromUrlString: urlString,

withDefaultImage: "no-image-available",

withErrorImage: "no-image-available")

}

**self**.titleLabel?.text = article.title

}

}

**class** ArticlesViewController: UICollectionViewController {

**var** articles: [Article] = [Article]()

**var** currentRow: Int = 0

**var** isRestrictedToFavorites = **false**

**override** **func** viewWillAppear(**\_** animated: Bool) {

**super**.viewWillAppear(animated)

updateData()

}

**func** updateData() {

**if** isRestrictedToFavorites, **let** sources = CatchUpStore.shared.sourceIdsAsString() {

NewsApi.getEverything(

fromSources: sources,

responseHandler: handleResponse, errorHandler: handleError)

**return**

}

**if** isRestrictedToFavorites {

**self**.articles = [Article]()

**self**.collectionView.reloadData()

**self**.collectionView.collectionViewLayout.invalidateLayout()

**return**

}

NewsApi.getTopHeadlines(responseHandler: handleResponse,

errorHandler: handleError)

}

**func** handleResponse(response: ArticlesResponse) {

**guard** **let** articles = response.articles **else** {

**self**.articles = [Article]()

**return**

}

**self**.articles = articles

**self**.collectionView.reloadData()

}

**func** handleError(error: Error) {

**let** message = "Error while requesting Articles:\(error.localizedDescription)"

os\_log("%@", message)

}

**override** **func** prepare(for segue: UIStoryboardSegue, sender: **Any**?) {

**if** segue.identifier == "showArticle" {

**let** destination = segue.destination **as**! ArticleViewController

destination.article = articles[currentRow]

}

}

*// MARK: UICollectionViewDataSource*

**override** **func** numberOfSections(in collectionView: UICollectionView) -> Int {

**return** 1

}

**override** **func** collectionView(**\_** collectionView: UICollectionView, numberOfItemsInSection section: Int) -> Int {

**return** articles.count

}

**override** **func** collectionView(**\_** collectionView: UICollectionView, cellForItemAt indexPath: IndexPath) -> UICollectionViewCell {

**let** cell = collectionView.dequeueReusableCell(withReuseIdentifier: reuseIdentifier, for: indexPath) **as**! ArticleCell

*// Configure the cell*

cell.update(from: articles[indexPath.row])

**return** cell

}

**override** **func** collectionView(**\_** collectionView: UICollectionView, didSelectItemAt indexPath: IndexPath) {

currentRow = indexPath.row

performSegue(withIdentifier: "showArticle", sender: **self**)

}

}