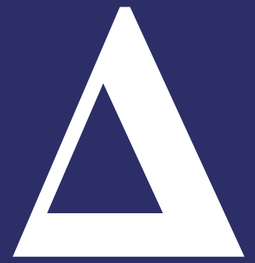
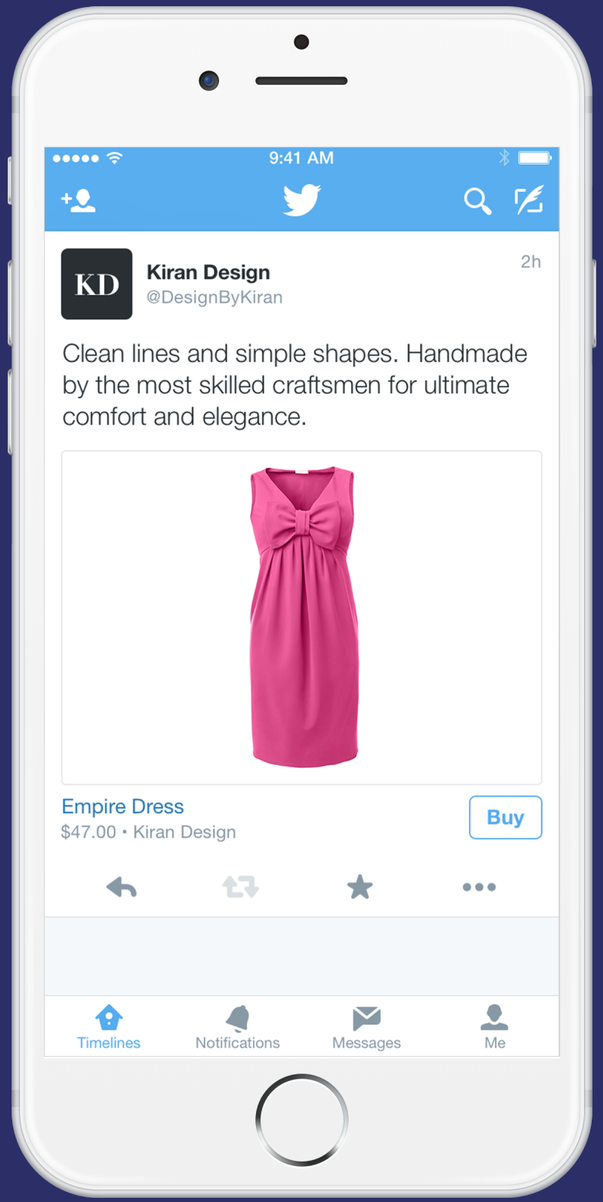


stripe


9:41 AM
KD
Kiran Design
@DesignByKiran
2h
Clean lines and simple shapes. Handmade by the most skilled craftsmen for ultimate comfort and elegance.
Empire Dress
$47.00 • Kiran Design
Buy
Timelines
Notifications
Messages
Me

diff

TWITTER -> STRIPE

[1, 3, 5] -> [2, 3, 4]

LCS

TWITTER

STRIPE

TIE

$$LCS(X_i, Y_j) = \begin{cases} \varnothing & \text{if } i = 0 \text{ or } j = 0 \\ LCS(X_{i-1}, Y_{j-1}) \frown x_i & \text{if } x_i = y_j \\ \text{longest}\big(LCS(X_i, Y_{j-1}), LCS(X_{i-1}, Y_j)\big) & \text{if } x_i \neq y_j \end{cases}$$

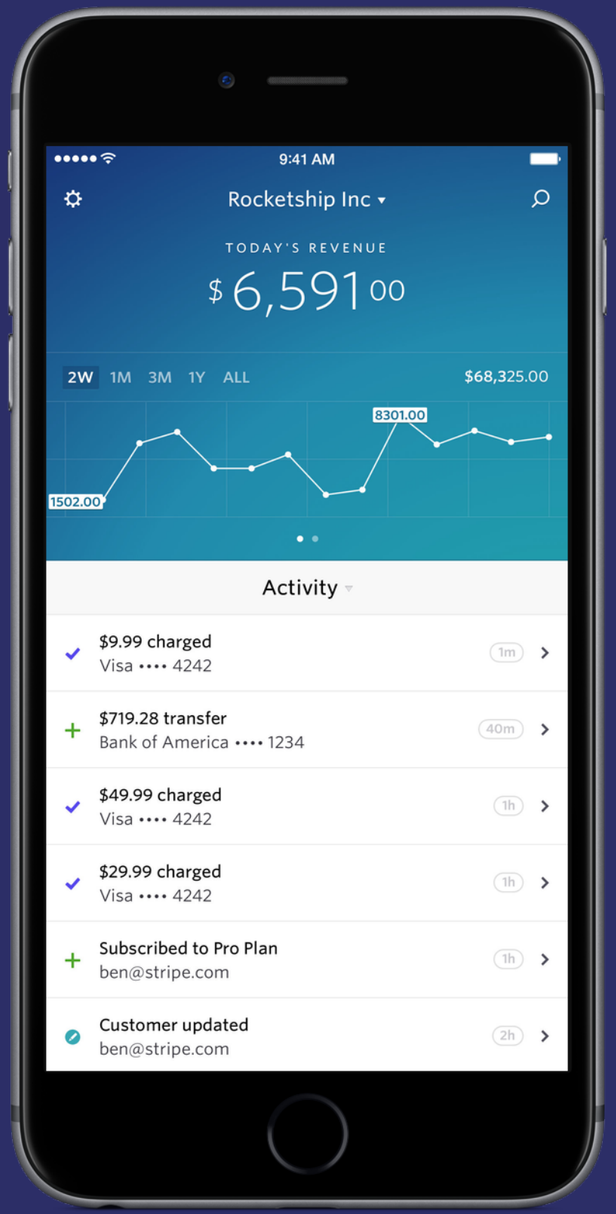
```
// I shamelessly stole this from Wikipedia
```

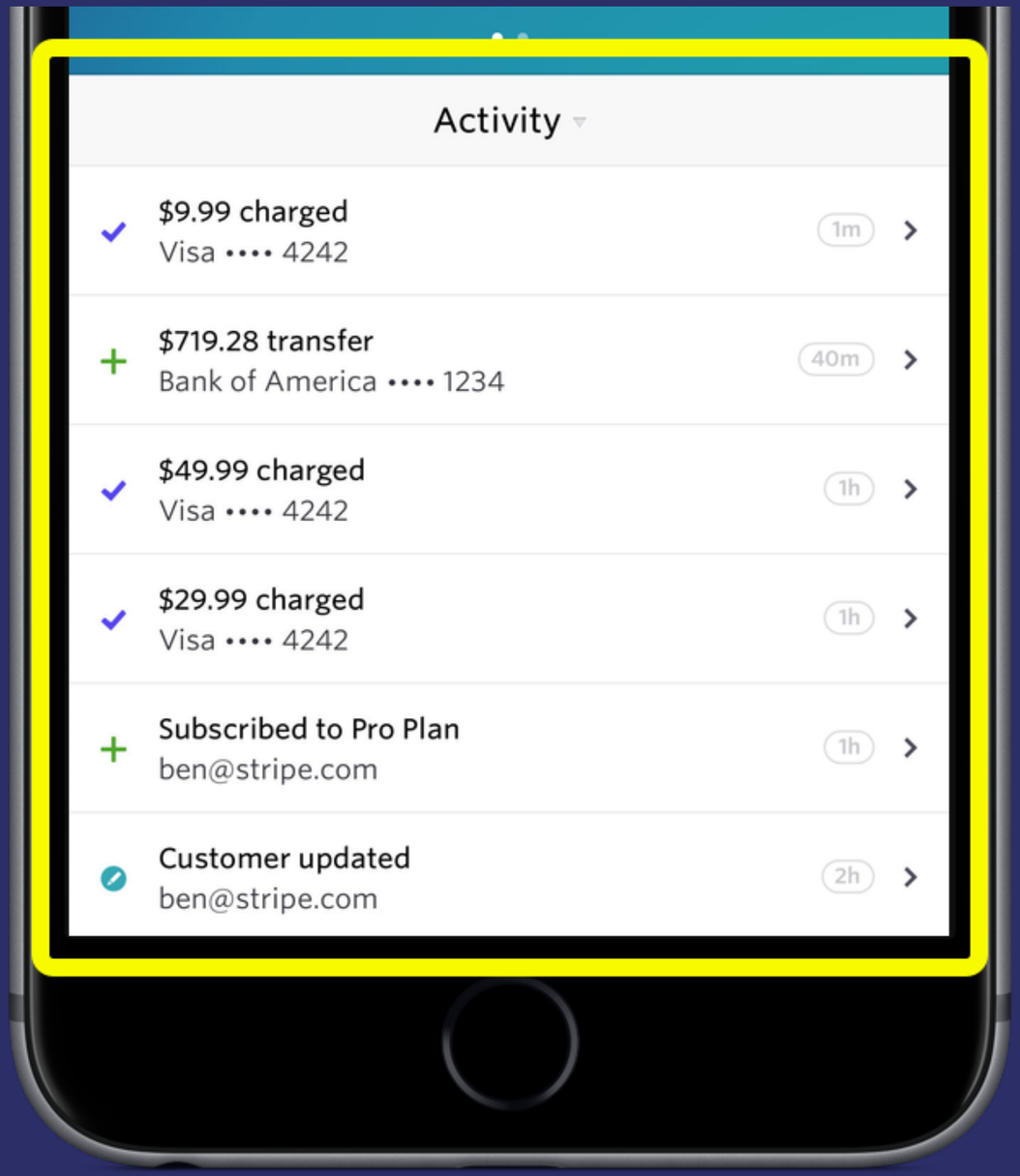
```swift
func longer<T: Equatable>(a: [T], _ b: [T]) -> [T] {
    return a.count > b.count ? a : b
}

func lcs<T: Equatable>(x: [T], _ y: [T]) -> [T] {
    return lcs(x, y, x.count - 1, y.count - 1)
}

func lcs<T: Equatable>(x: [T], _ y: [T], _ i: Int, _ j: Int) -> [T] {
    if i == -1 || j == -1 {
        return []
    }
    if x[i] == y[j] {
        return lcs(x, y, i - 1, j - 1) + [x[i]]
    }
    return longer(lcs(x, y, i, j - 1), lcs(x, y, i - 1, j))
}
```

LCS -> Diff

T (-W) I (-T) (-T) E (-R) -> TIE

(+S) T (+R) I (+P) E -> STRIPE


9:41 AM
Rocketship Inc
TODAY'S REVENUE
$6,591.00
2W 1M 3M 1Y ALL
$68,325.00
8301.00
1502.00
Activity
$9.99 charged
Visa •••• 4242
1m
$719.28 transfer
Bank of America •••• 1234
40m
$49.99 charged
Visa •••• 4242
1h
$29.99 charged
Visa •••• 4242
1h
Subscribed to Pro Plan
ben@stripe.com
1h
Customer updated
ben@stripe.com
2h


Activity
$9.99 charged
Visa •••• 4242
1m
$719.28 transfer
Bank of America •••• 1234
40m
$49.99 charged
Visa •••• 4242
1h
$29.99 charged
Visa •••• 4242
1h
Subscribed to Pro Plan
ben@stripe.com
1h
Customer updated
ben@stripe.com
2h

UITableView

→ `reloadData`

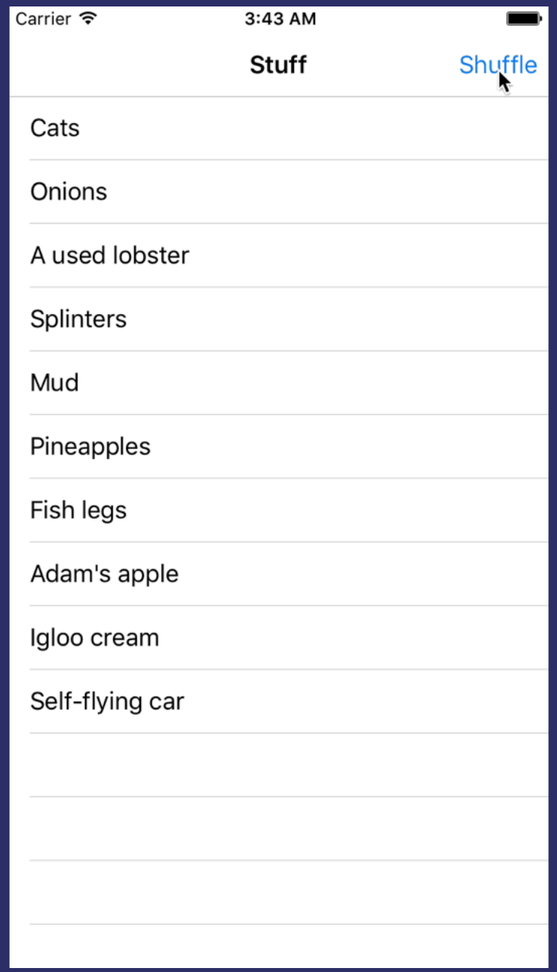
UITableView

- → `insertRowsAtIndexPaths:withAnimation:`
- → `deleteRowsAtIndexPaths:withAnimation:`

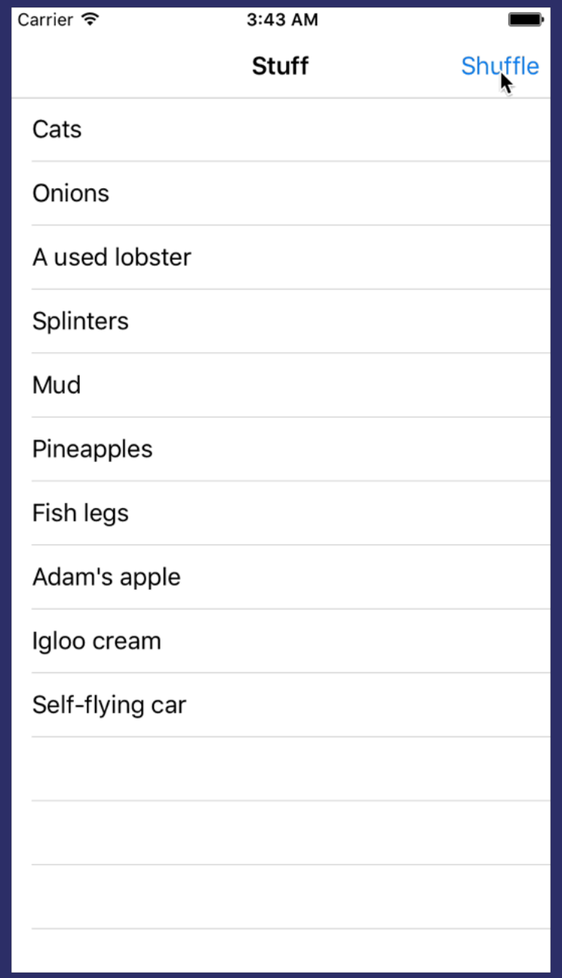
Wait a minute

Dwifft

github.com/jflinter/Dwifft




```
bind(tableViewDiffCalculator.rows, user.recentEvents)
```



Thank you

@jflinter

https://github.com/jflinter/twitter_helloworld_talk

https://github.com/jflinter/dwifft