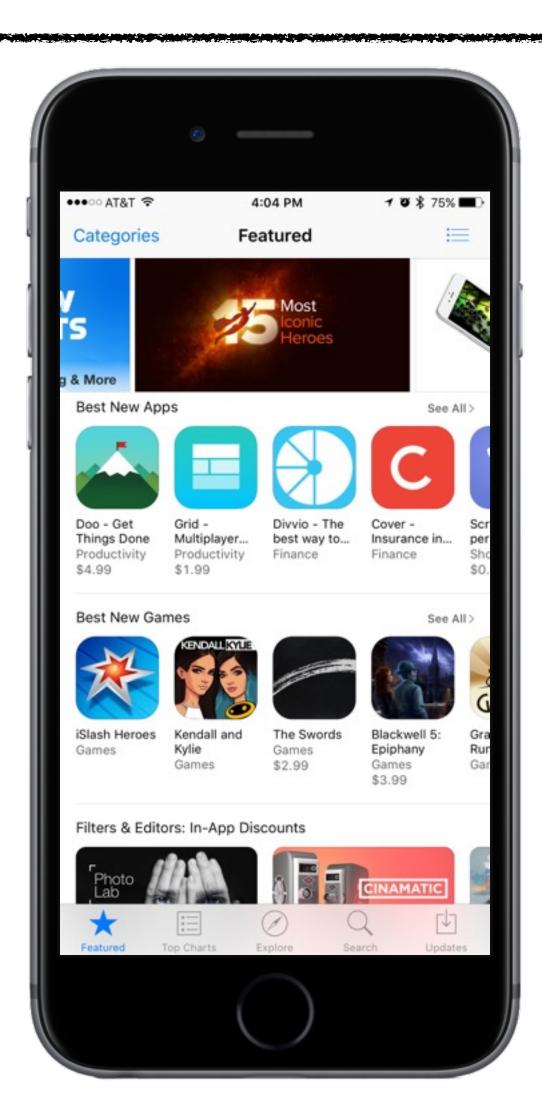
NETWORKING WITH URLSESSION

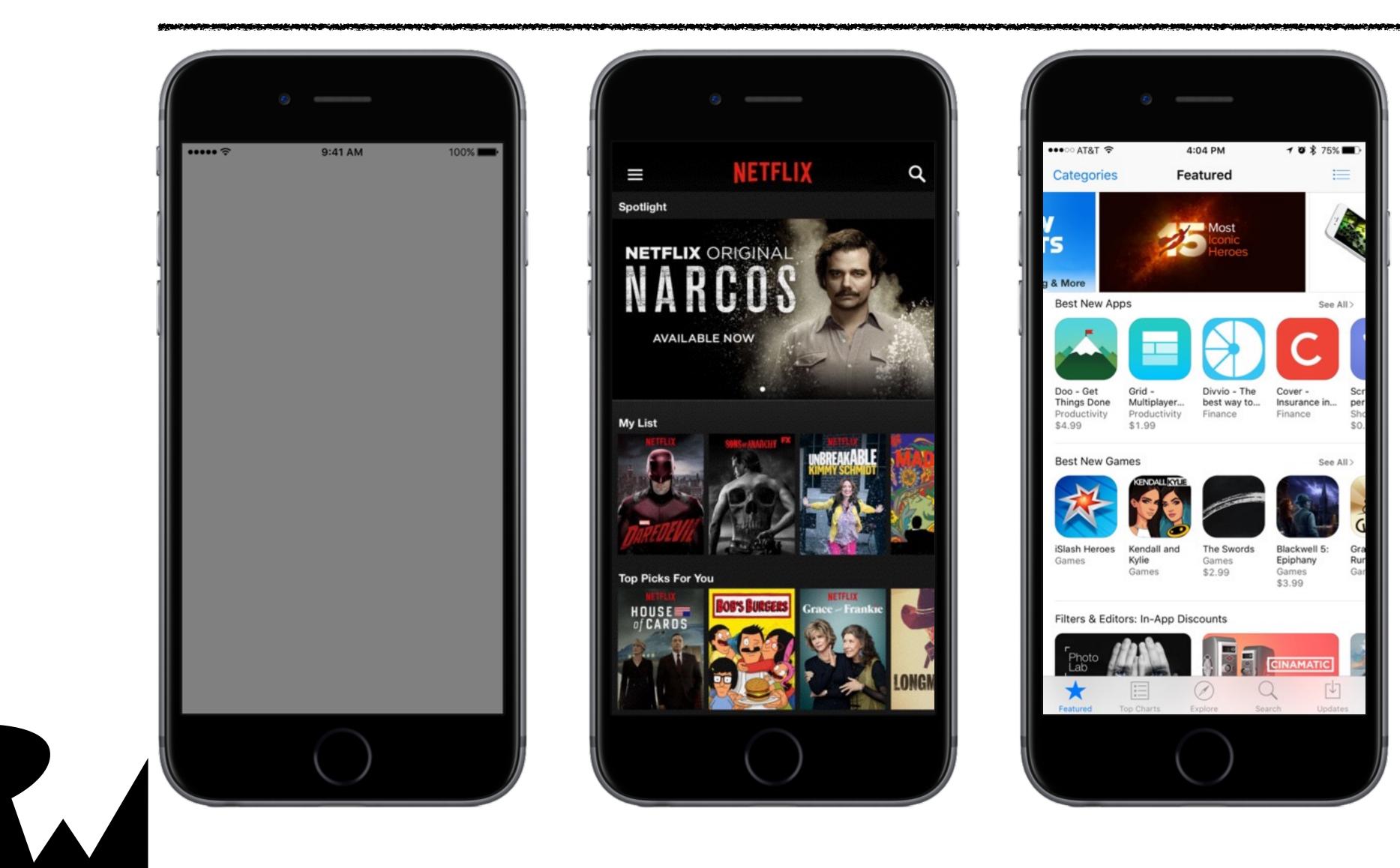


PART 1: INTRODUCTION



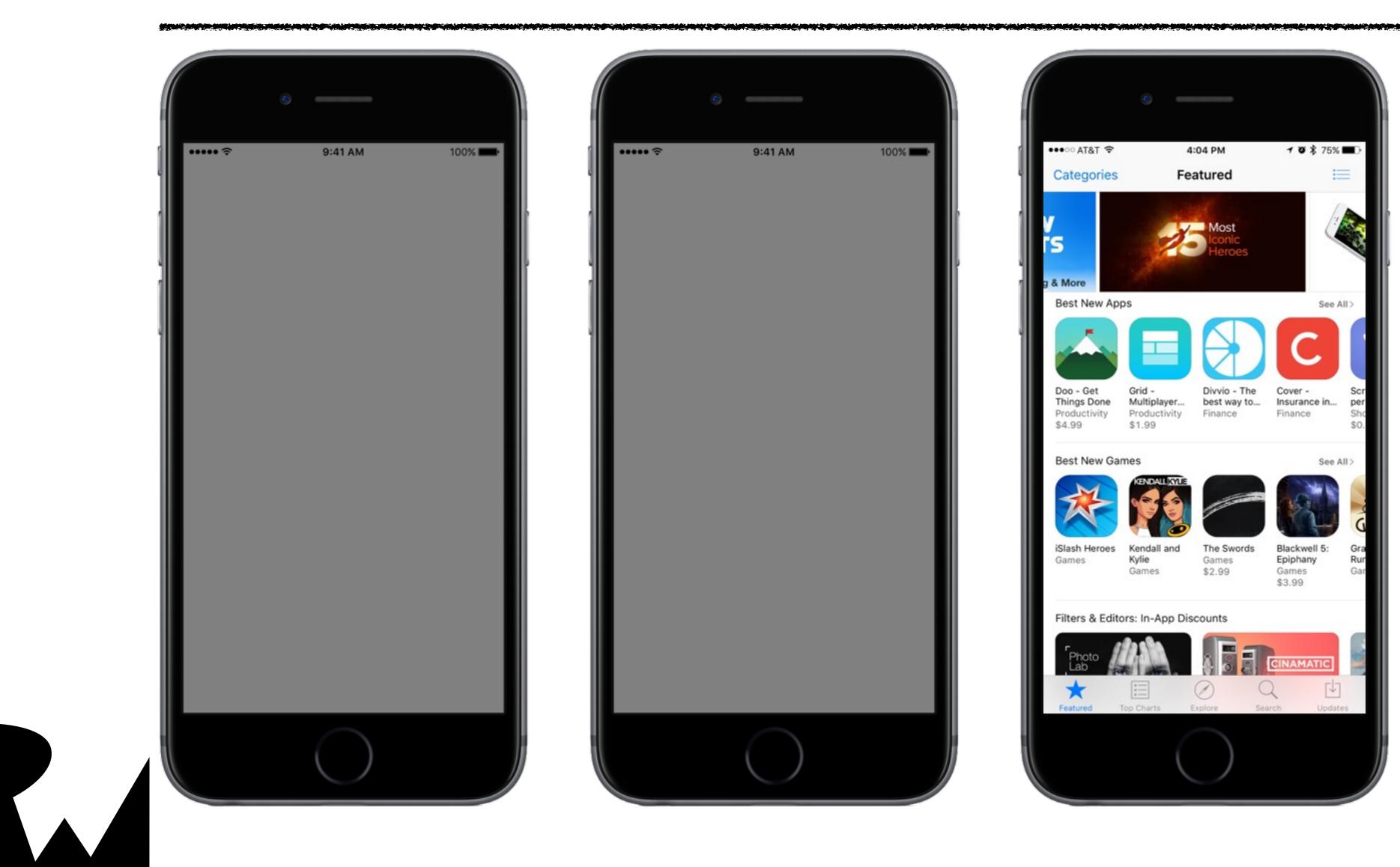






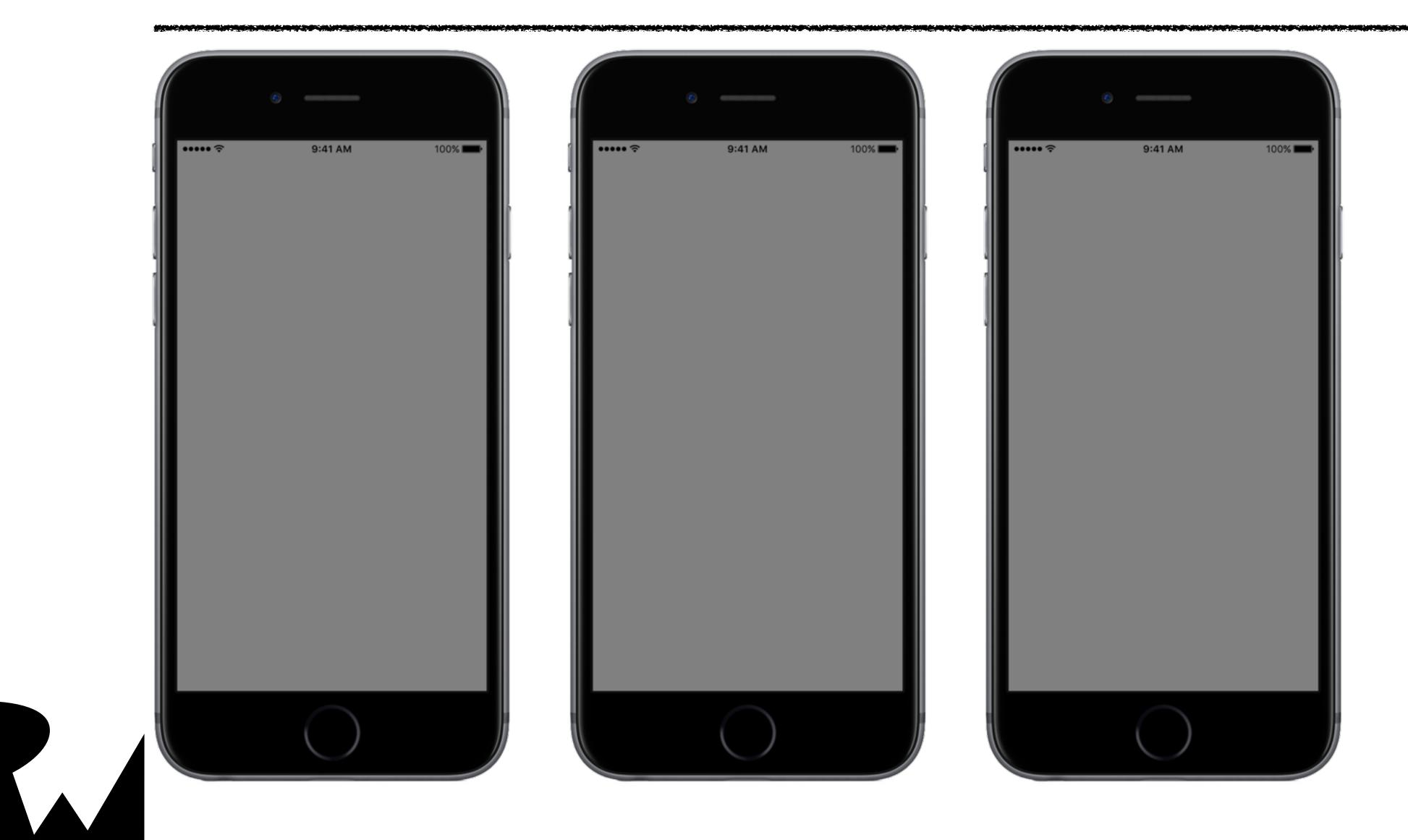




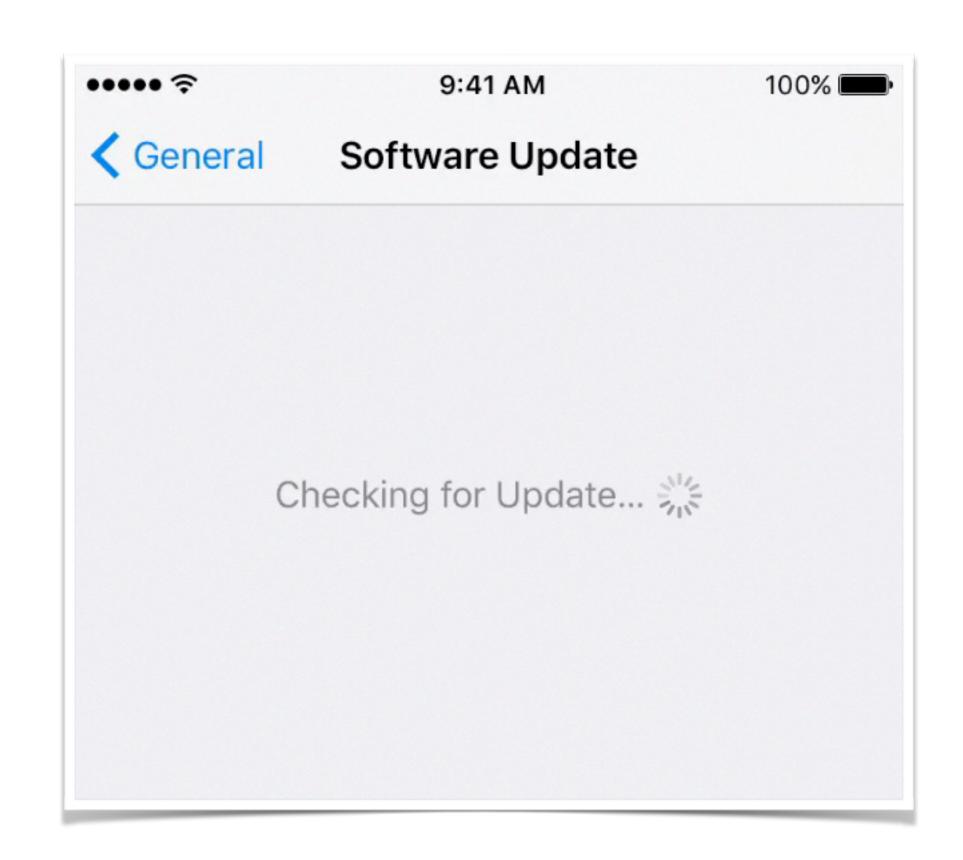








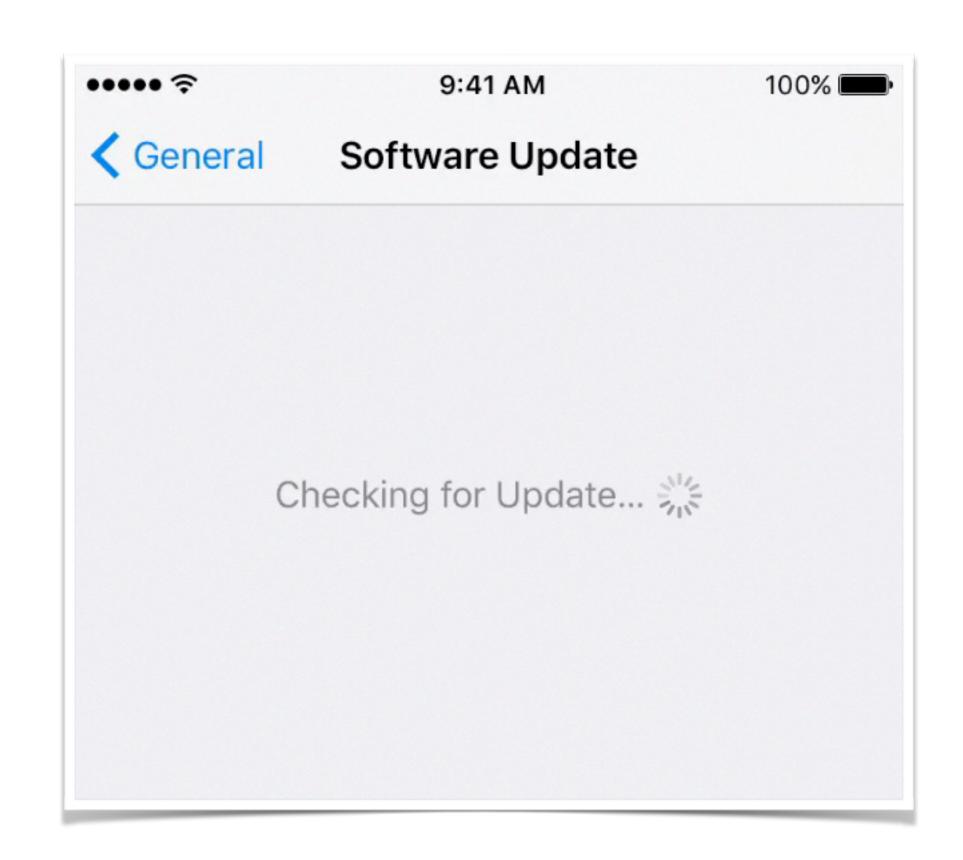
NETWORKING IS SLOW ...







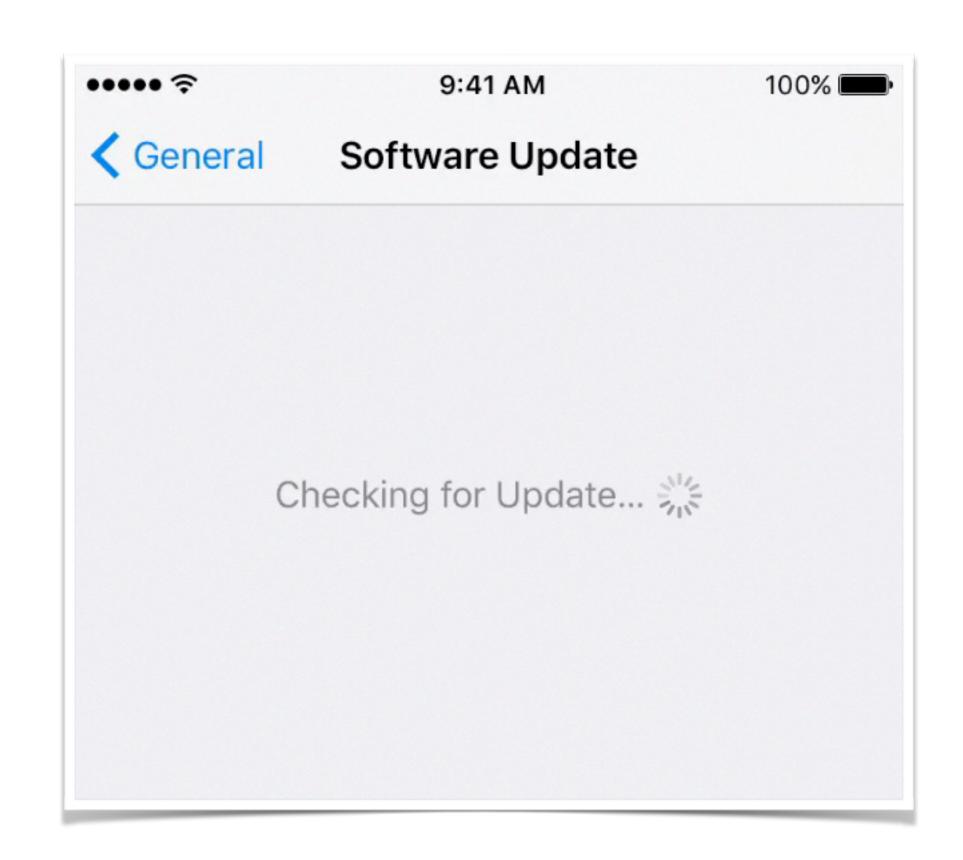
NETWORKING IS SLOW ...







NETWORKING IS SLOW ...



















DataTask
DownloadTask
UploadTask

GET POST PUT



DataTask
DownloadTask
UploadTask

completion

GET
POST
PUT



DataTask
DownloadTask
UploadTask

completion delegate

GET
POST
PUT



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

GET POST PUT



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication

GET
POST
PUT



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies

GET
POST
PUT



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies



GET POST PUT



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies



GET POST PUT

URLSession URLSessionConfiguration OperationQueue



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies



GET
POST
PUT

URLSession URLSessionConfiguration OperationQueue delegate queue



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies



GET
POST
PUT

URLSession URLSessionConfiguration OperationQueue delegate queue

Architecture



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies



GET
POST
PUT

URLSession URLSessionConfiguration OperationQueue delegate queue

Architecture AsyncOperation



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies



GET
POST
PUT

URLSession URLSessionConfiguration OperationQueue delegate queue

Architecture AsyncOperation **Unit Testing**



DataTask
DownloadTask
UploadTask

completion delegate

BackgroundSession

Authentication Cookies

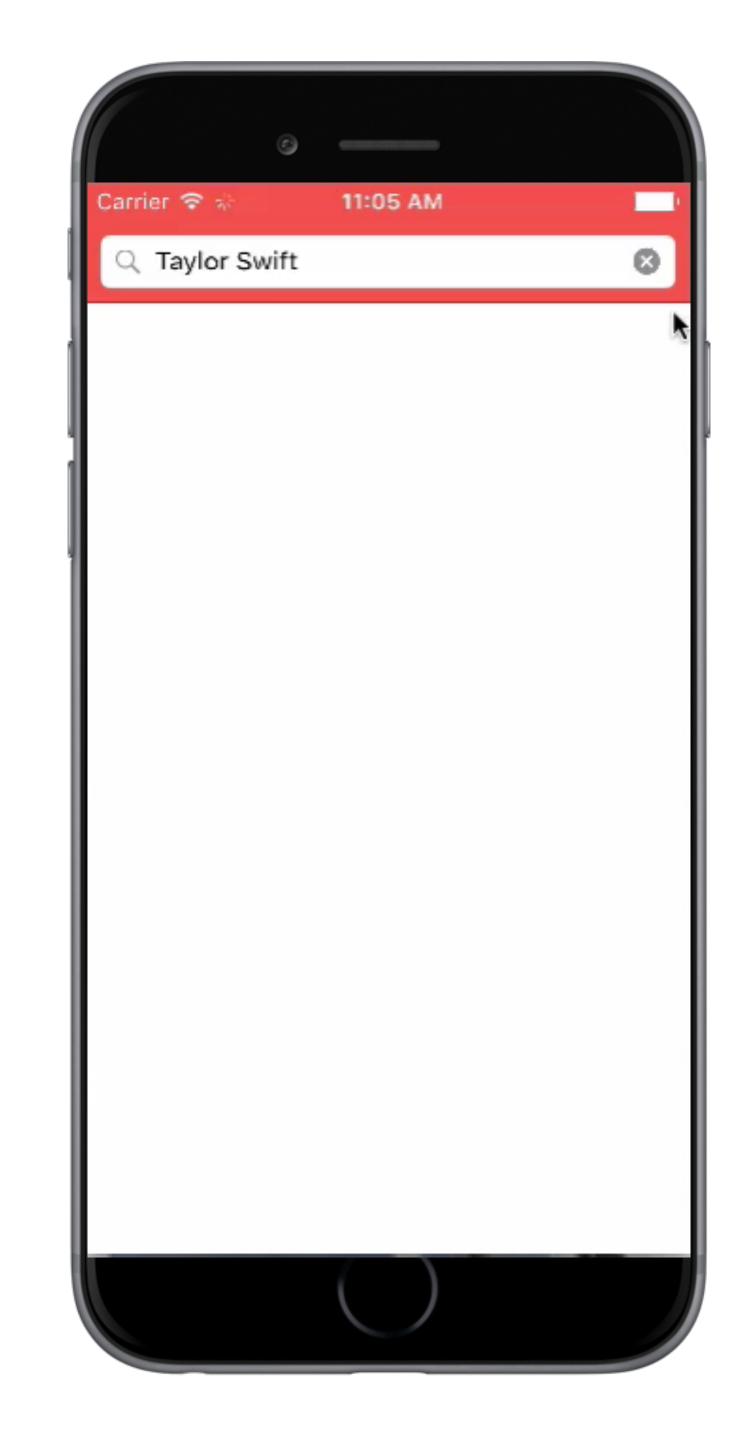


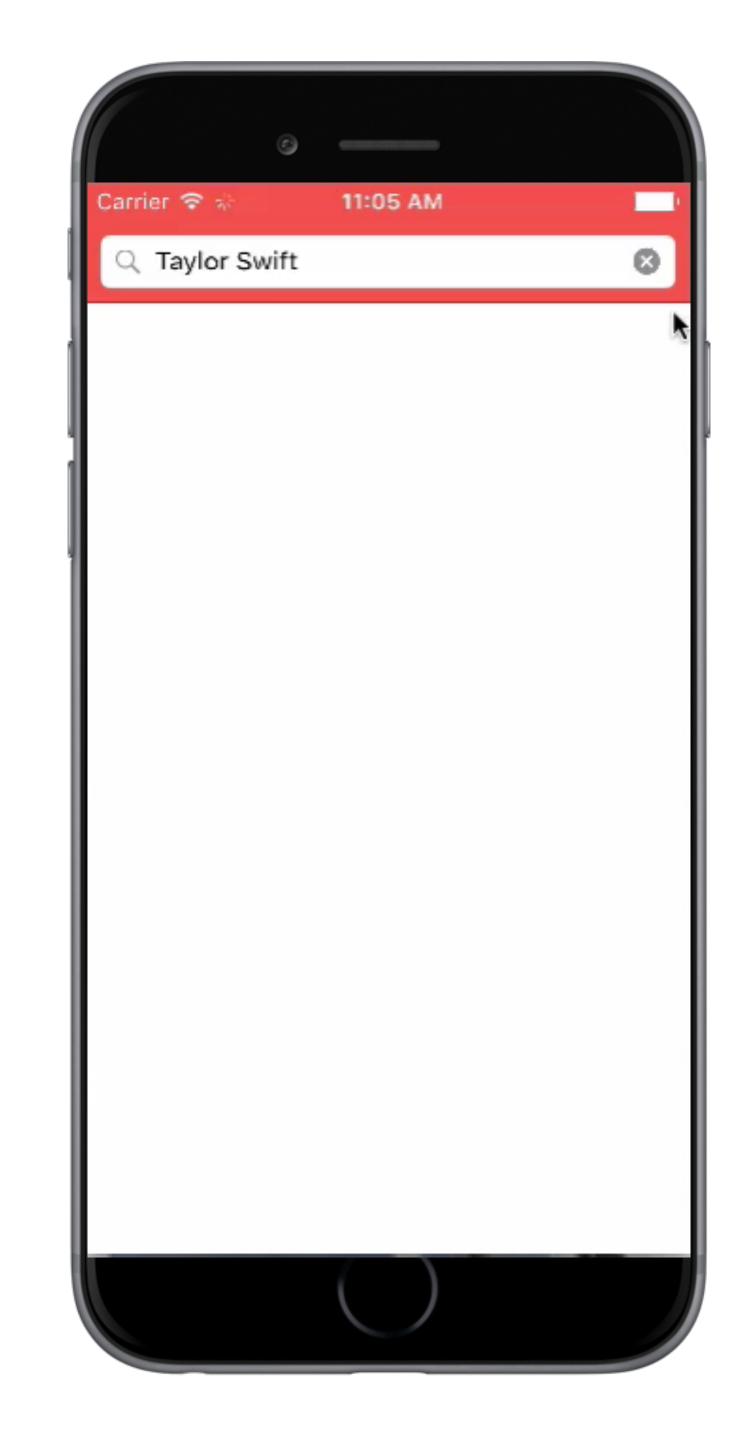
GET
POST
PUT

URLSession URLSessionConfiguration OperationQueue delegate queue

Architecture AsyncOperation Unit Testing
Task Metrics

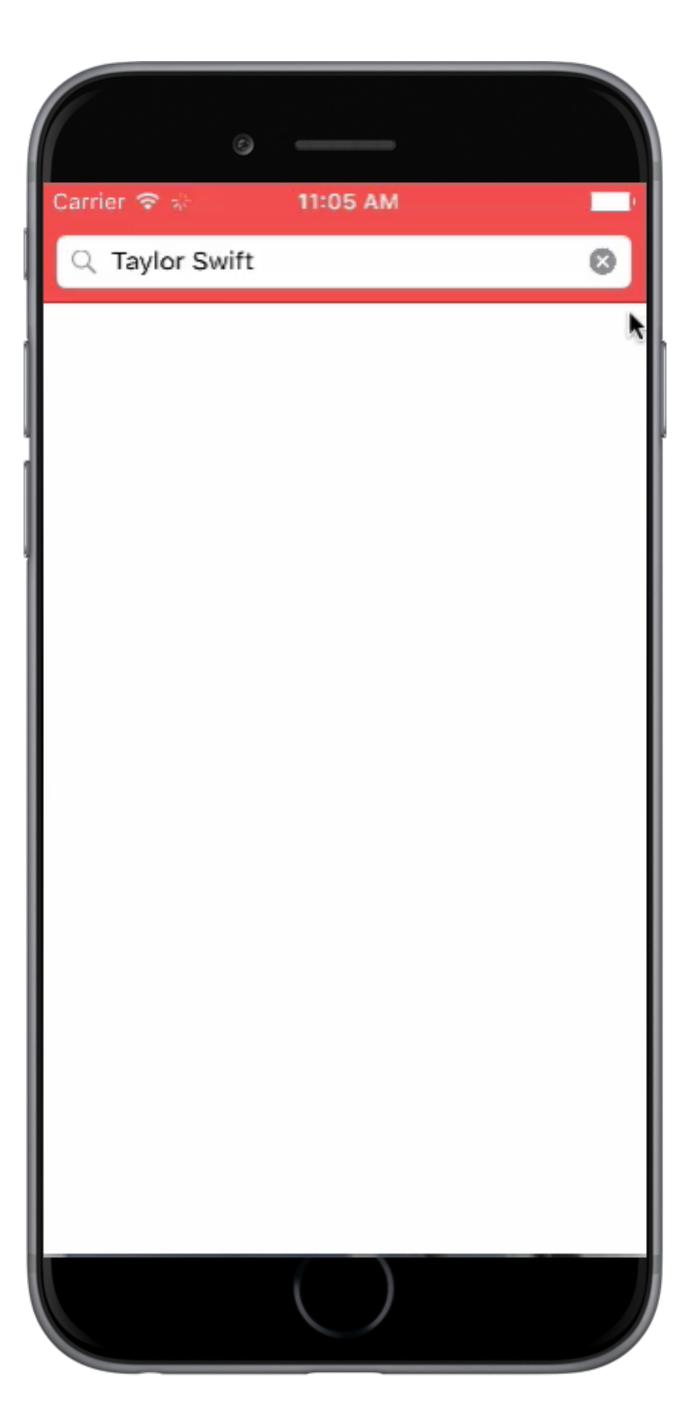






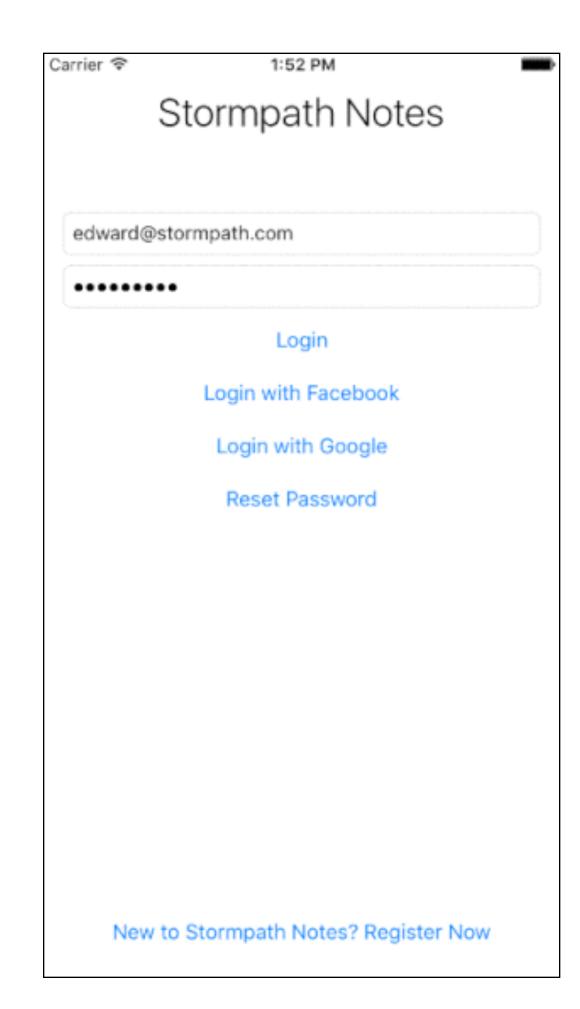


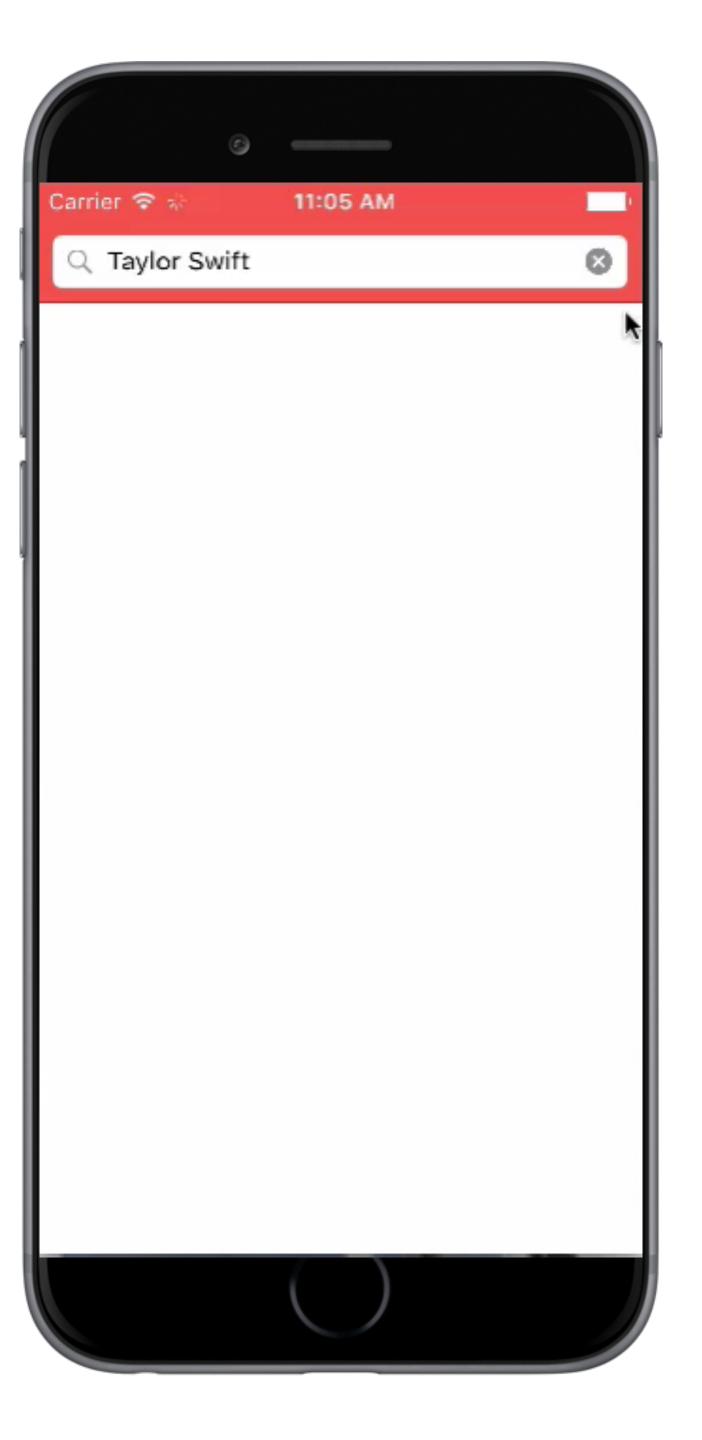
\$ json-server --watch db.json





\$ json-server --watch db.json



















URLRequestConvertible



APIRouter





URLRequestConvertible





APIRouter



Alamofire

URLRequestConvertible

JSON parsing









APIRouter

URLRequestConvertible

Anviking Decodable







mapper





JSON parsing



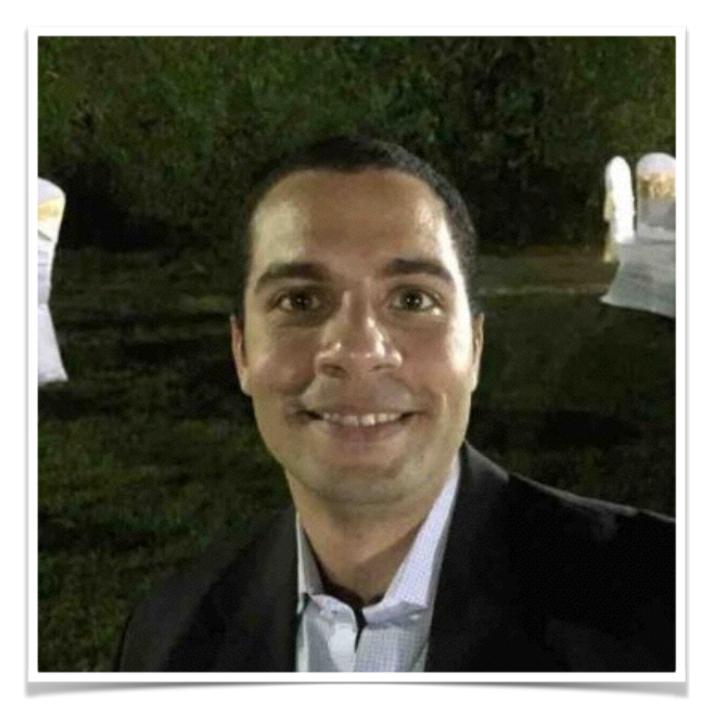




Jerry Beers
@jerbeers



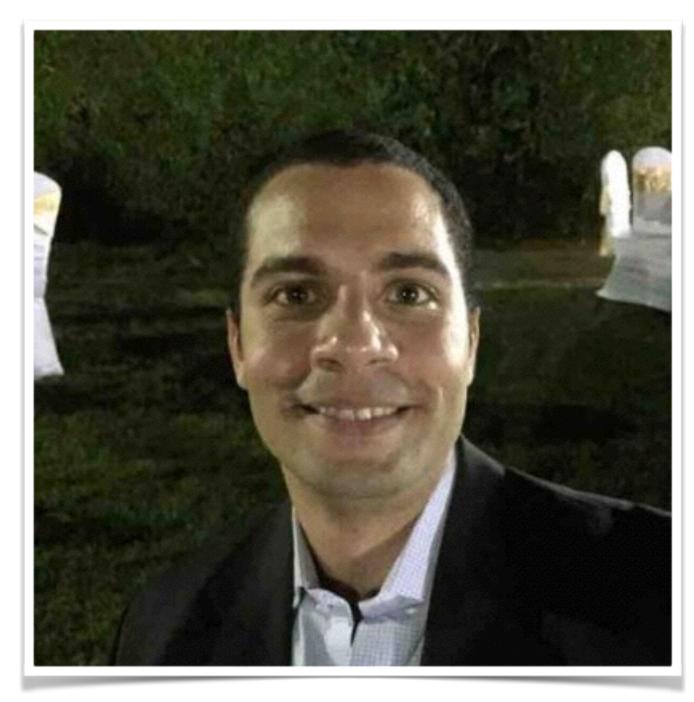


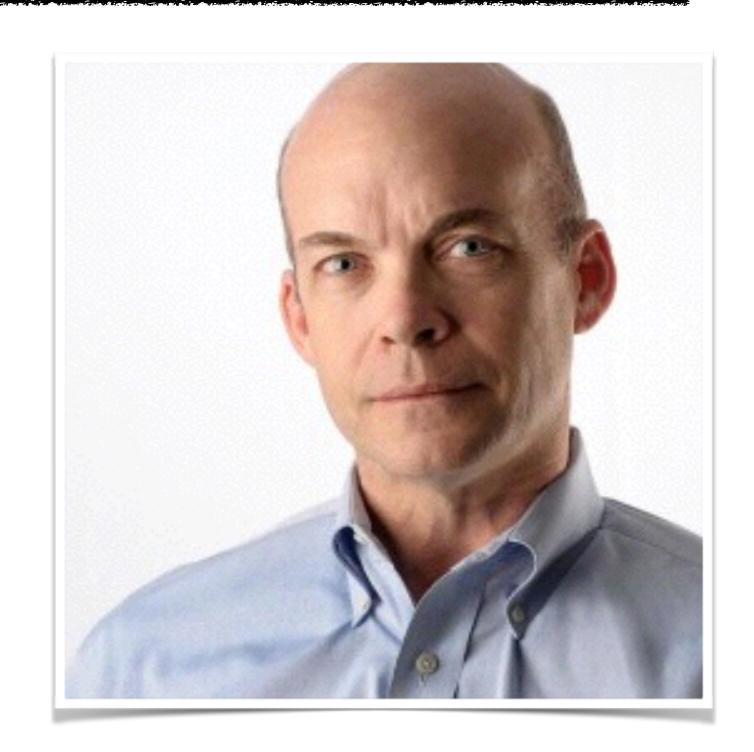


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Richard Critz

@rcritz

