

iOS mobil operatsion tizimi

210-13 guruh talabasi

Nurmurodov G.Sh.

- iOS operatsion tizimi tasnifi
- iOS operatsion tizimi arxitekturasi
- Mobil ilovalar ishlab chiqish (iOS platformasi uchun)
- Objective C dasturlash tili haqida

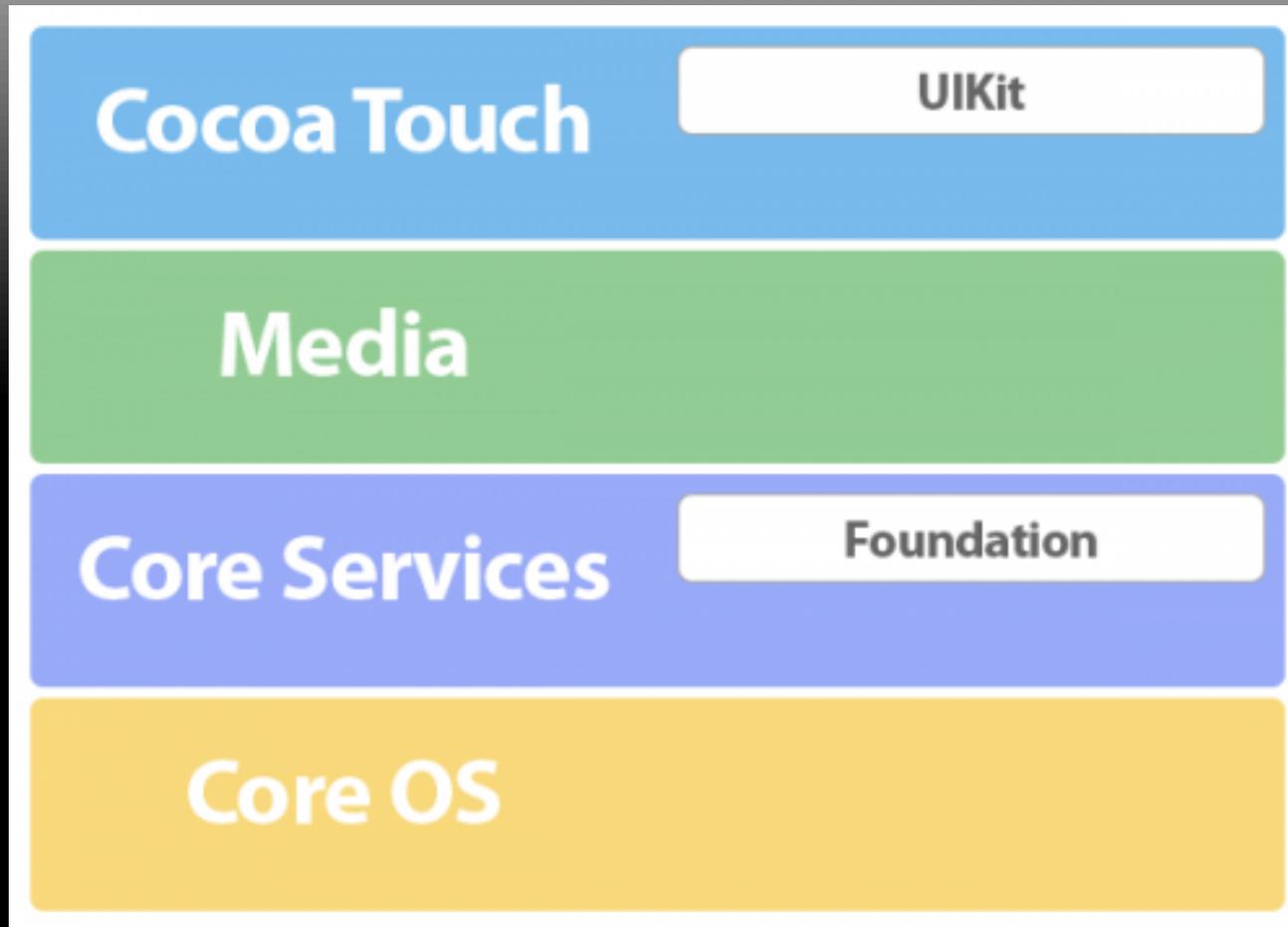
iOS (24 iyun, 2010-yilgacha - iPhone OS) - Amerika kompaniyasi Apple tomonidan ishlab chiqilgan va ishlab chiqarilgan aqlli telefonlar, elektron planshetlar va ko'chma media qurilmalari uchun operatsion tizim. 2007 yilda ishga tushirilgan; Dastlab – iPhone va iPod kabi qurilmalar uchun – keyinroq iPad va AppleTV uchun ishlab chiqilgan , Windows Phone (Microsoft) va Android (Google) OT larga qaraganda faqat Apple tomonidan ishlab qurilmalar uchun mavjud.



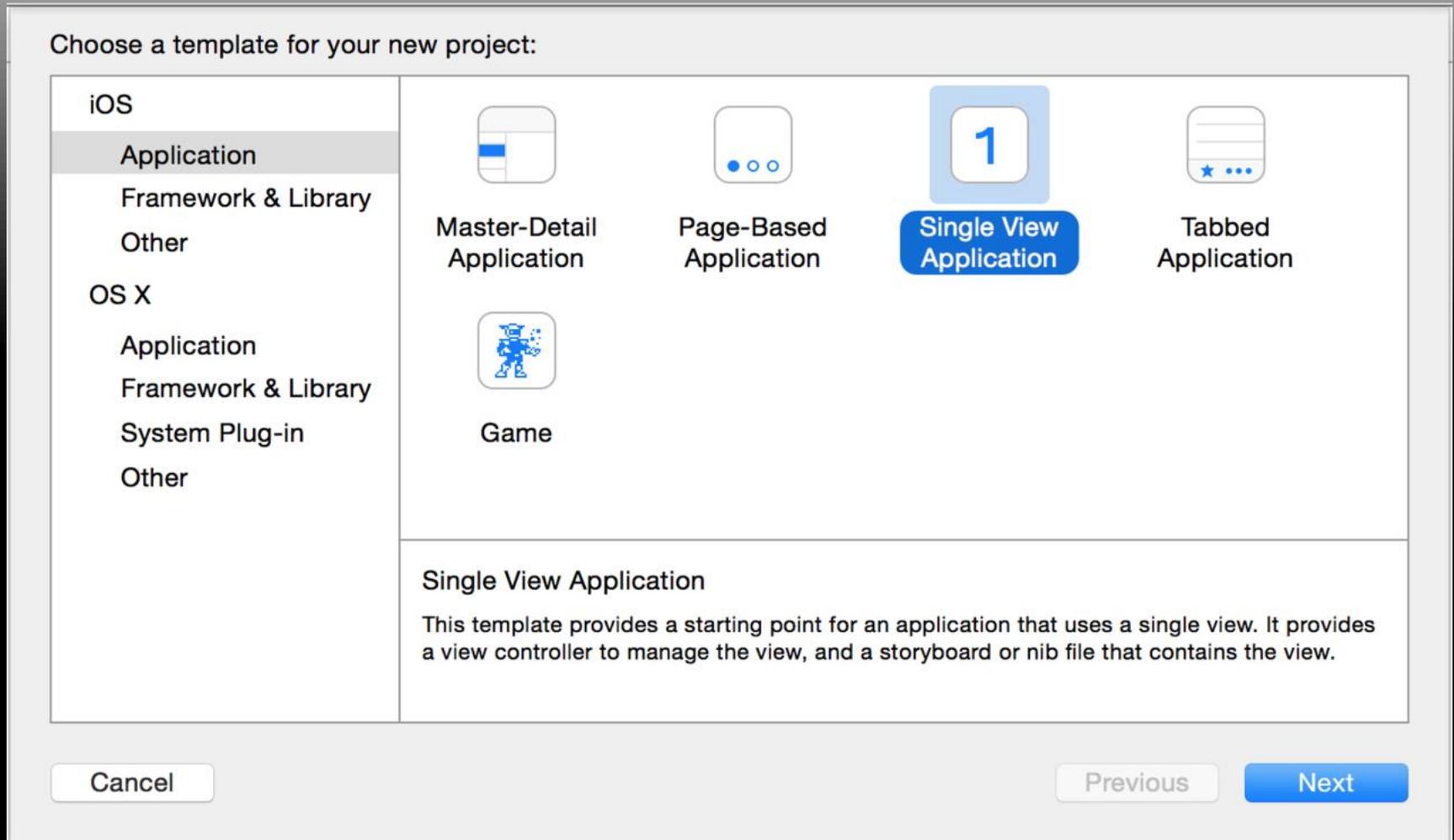
iOS uchun Mach mikroyadrosiga asoslangan XNU yadrosi va Apple kompaniyasi tomonidan yaratilgan dastur kodi hamda NeXTSTEP OS va FreeBSD kodi ishlatilgan. iOS ARM arxitekturasiga ega boʻlgan planshetlarda va smartfonlarda ishlaydi.



iOS arxitekturasi



2011-yil 20-iyulda Apple iOS uchun Xcode dasturni taqdim etdi



Download

Run Stop TapCounter

Run Stop Calculator

- TapCounter
 - AppDelegate.h
 - AppDelegate.m
 - MainStoryboard
 - MainStoryboard_iPhone
 - ViewController
- Calculator
 - AppDelegate.h
 - AppDelegate.m
 - MainStoryboard
 - MainStoryboard_iPhone
 - ViewController

FAVORITES

- Dropbox
- All My Macintosh
- Desktop
- salesd
- Applications
- Documents
- Google
- Downloads

SHARED

- bluefish
- dvr
- fernando
- glen
- hp002
- JMR
- jmr
- All...

Calculator.xcodeproj — MainStoryboard_iPhone.storyboard

Running Calculator on iPhone 6.0 Simulator

No Issues

MainStoryboard_iPhone.st... MainStoryboard_iPhone.st... View Controller Scene > View Controller



Editor View Organizer

Simulated Metrics

- Size: Retina 3.5 Full Screen
- Orientation: Inferred
- Status Bar: Inferred
- Top Bar: Inferred
- Bottom Bar: Inferred

View Controller

Title

Initial Scene Is Initial View Controller

Layout Wants Full Screen Hides Bottom Bar on Push Resize View From NIB

Transition Style: Cover Vertical

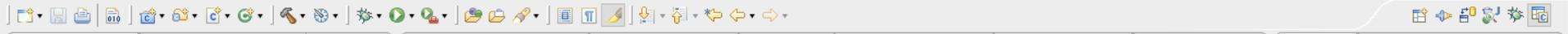
Presentation Defines Context Provides Context

Objects

- pages.
- GLKit View Controller - A controller that manages a GLKit view.
- Object - Provides a template for objects and controllers not directly available in Interface Builder.
- Label - A variably sized amount of static text.

Show All

Objective-C – obyektga yoʻnaltirilgan dasturlash tili boʻlib Apple kompaniyasi tomonidan ishlatiladi. C dasturlash tiliga asoslangan til hisoblanadi. Objective-C tili C dasturlash tilidan olinganligi sababli C kod Objective-C kompilyatori uchun tushunarli.



Project Explorer

- Mylyn
 - Binaries
 - Debug
 - Includes
 - src
 - Bonjour
 - BonjourDelegate.h
 - BonjourDelegate.m
 - BonjourSupport.h
 - Foundation/Foundation.h
 - Host.h
 - # BONJOUR_AFP
 - # BONJOUR_HTTP
 - # BONJOUR_SEARCH_ENDED_NOTIFICATION
 - # BONJOUR_SMB
 - # BONJOUR_TIVO
 - # BONJOUR_VNC
 - BonjourSupport
 - ServiceHolder
 - BonjourSupport.m
 - TXTTToHost.h
 - TXTTToHost.m
 - Classes
 - Favorites.h
 - Favorites.m
 - Host.h
 - Host.m
 - BonjourDelegate.h
 - DNS.h
 - Host.h
 - Ping.h
 - TXTTToHost.h
 - UDPSocket.h
 - UIKit/UIKit.h
 - # DEFAULT_APPLIANCE
 - # DEFAULT_MAC
 - # DEFAULT_PC
 - # IP_SEP
 - # kDiscardPort
 - # SER_DYNAMIC_KEY

```
#import <Foundation/Foundation.h>
#import "Host.h"

#define BONJOUR_HTTP @"_http._tcp"
#define BONJOUR_VNC @"_rfb._tcp"
#define BONJOUR_AFP @"_afpovertcp._tcp"
#define BONJOUR_SMB @"_smb._tcp"
#define BONJOUR_TIVO @"_tivo-videos._tcp"

#define BONJOUR_SEARCH_ENDED_NOTIFICATION @"BonjourSearchEndedNotification"

@interface BonjourSupport : NSObject
{
    NSNetServiceBrowser* browser;
    NSMutableDictionary* services;
    NSUInteger servicesProcessed;
    NSTimeInterval searchTimeout;
    NSTimer* timer;
    NSString* searchDomain;
    NSArray* servicesList;
    NSUInteger totalTypesToScanFor;
    NSUInteger totalTypesScanned;
}

-(void)searchForHosts:(NSString*)domain ofType:(NSString*)t;
-(void)searchForHosts:(NSString*)domain ofType:(NSString*)t withTimeout:(NSTimeInterval)timeout;

-(void)searchForHosts:(NSString*)domain ofTypes:(NSArray*)t;
-(void)searchForHosts:(NSString*)domain ofTypes:(NSArray*)t withTimeout:(NSTimeInterval)timeout;

@end
```

Outline

- Foundation/Foundation.h
- Host.h
- # BONJOUR_HTTP
- # BONJOUR_VNC
- # BONJOUR_AFP
- # BONJOUR_SMB
- # BONJOUR_TIVO
- # BONJOUR_SEARCH_ENDED_NOTIFICATION
- BonjourSupport
 - browser : NSNetServiceBrowser*
 - services : NSMutableDictionary*
 - servicesProcessed : NSUInteger
 - searchTimeout : NSTimeInterval
 - timer : NSTimer*
 - searchDomain : NSString*
 - servicesList : NSArray*
 - totalTypesToScanFor : NSUInteger
 - totalTypesScanned : NSUInteger
 - searchForHosts:ofType:(NSString*, I
 - searchForHosts:ofType:withTimeou
 - searchForHosts:ofTypes:(NSString*,
 - searchForHosts:ofTypes:withTimeou
- ServiceHolder
 - service : NSNetService*
 - resolved : BOOL
 - host : Host*

Problems | **Tasks** | **Console** | **Properties** | **Error Log** | **Task Repositories** | **Task List** | **Search**

C-Build [Mylyn]
MACAddressTableViewCell.o ./src/UI/MachineTypePickerTableViewCell.o ./src/UI/S4/EditTableViewCell.o ./src/UI/S4/ReadOnlyTableViewCell.o ./src/UI/SelectMachineTypeViewController.o ./src/UI/TextEditTableViewCell.o ./src/UI/TextEditTwoValueTableViewCell.o ./src/UI/TableCells/AwakeStateTableViewCell.o ./src/UI/TableCells/S47LabelValueTableViewCell.o ./src/UI/TableCells/S47TableViewCell.o ./src/Network/DNS.o ./src/Network/MacAddress.o ./src/Network/NetUtilities.o ./src/Network/Ping.o ./src/Network/Reachable.o ./src/Network/SimplePing.o ./src/Network/UDPSocket.o ./src/Classes/Favorites.o ./src/Classes/Host.o ./src/Classes/HostActionUtils.o ./src/Classes/Hosts.o ./src/Classes/HostsGroup.o ./src/Classes/TriState.o ./src/Bonjour/BonjourDelegate.o ./src/Bonjour/BonjourSupport.o ./src/Bonjour/TXTToHost.o
Finished building target: Mylyn

Writable | Smart Insert | 1 : 1