

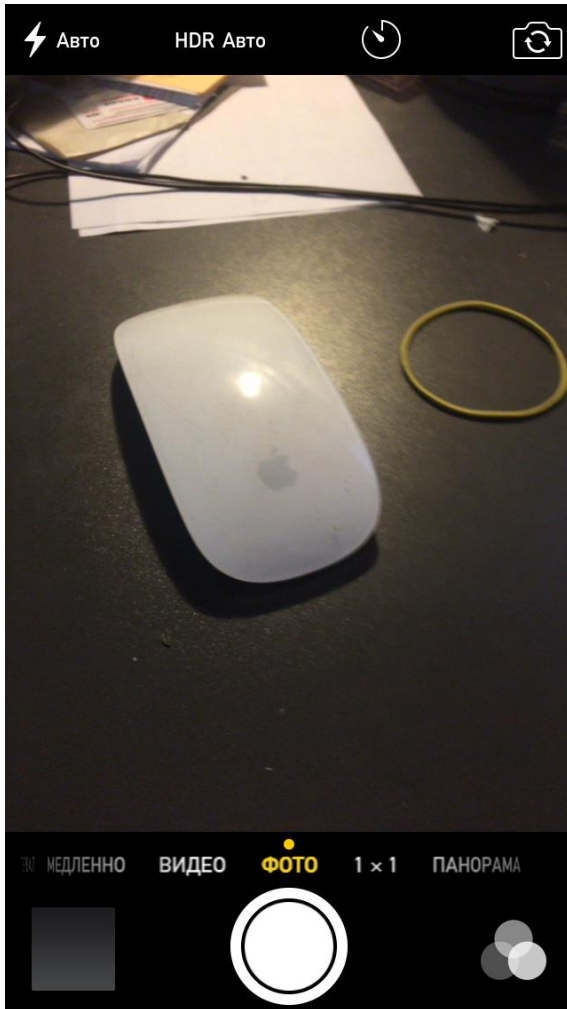
Разработка iOS приложений

Лекция PS. 2.

UIImagePickerController &
ABPeoplePickerNavigationController

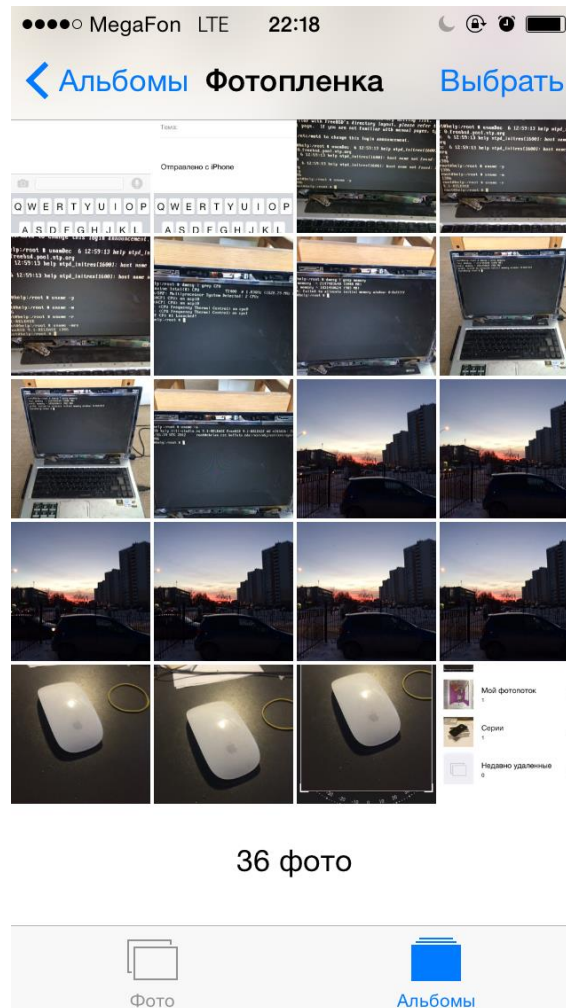
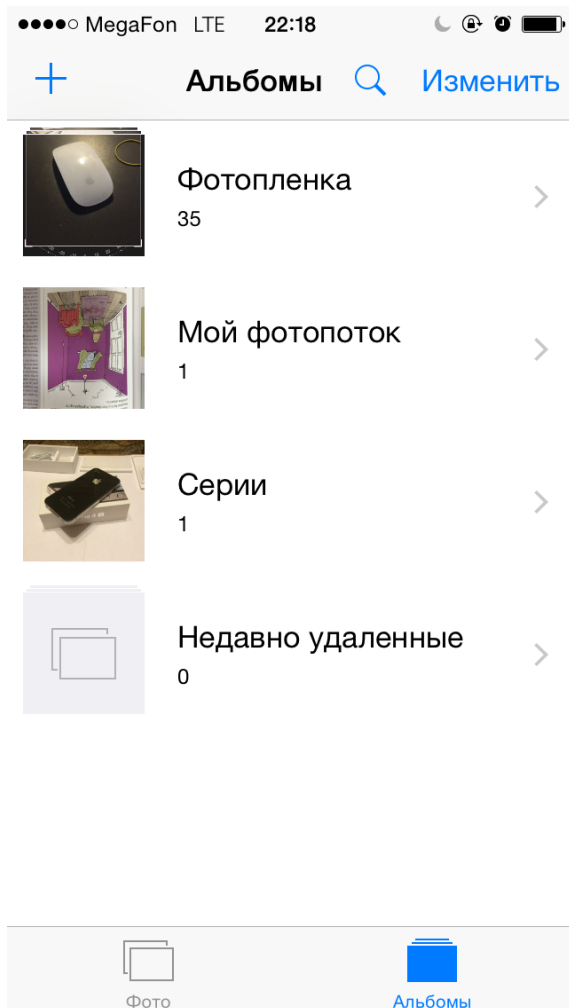
UIImagePickerController

Когда Вам надо картинку с камеры ...



UIImagePickerController

... или из фотогалереи



UIImagePickerController

Вроде бы все просто? Нет?

```
UIImagePickerController* imagePicker =  
    [ [ [ UIImagePickerController alloc ] init ] autorelease ];  
  
imagePicker.sourceType = UIImagePickerControllerSourceTypeCamera;  
imagePicker.delegate = self;  
imagePicker.allowsEditing = YES;
```

UIImagePickerController

Не совсем ...

Нельзя забывать про

- iPhone/iPad – у них немного по разному
- Способ выбора фотографии – камера/фотогалерея

Поэтому, я покажу Вам несколько функций шаблонных, которые облегчат жизнь.

UIImagePickerController

Но! Предварительно добавьте в свой ViewController следующее:

```
@implementation MyViewController
{
    ...
    UIPopoverController* _popoverController;
    ...
}
```

Он необходим для работы на iPad. Если вы не планируете поддержку iPad, то можете не добавлять.

UIImagePickerController. Фото с камеры

```
-( void ) takePhoto {
    if ( ! [ UIImagePickerController isSourceTypeAvailable:
UIImagePickerControllerSourceTypeCamera ] ) {
        [ self showAlert: MyAlertTypeCameraNotAvailable ];
        return ;
    }

    UIImagePickerController* imagePicker =
        [ [ [ UIImagePickerController alloc ] init ] autorelease ];
    imagePicker.sourceType=UIImagePickerControllerSourceTypeCamera;
    imagePicker.delegate = self;
    imagePicker.allowsEditing = YES;

    _popoverController = nil;

    [ self presentModalViewController: imagePicker animated: YES ];
}
```

UIImagePickerController. Выбор из галереи

```
-( void ) choosePhoto {
    if ( ! [ UIImagePickerController isSourceTypeAvailable:
UIImagePickerControllerSourceTypePhotoLibrary ] ) {
        [ self showAlert: MyAlertTypePhotoLibraryAbsent ];
        return ;
    }

    UIImagePickerController* imagePicker =
        [ [ [ UIImagePickerController alloc ] init ] autorelease ];
    imagePicker.sourceType = UIImagePickerControllerSourceTypePhotoLibrary;
    imagePicker.delegate = self;
    imagePicker.allowsEditing = YES;

    UIUserInterfaceIdiom uii = [ [ UIDevice currentDevice ] userInterfaceIdiom ];
    if ( UIUserInterfaceIdiomPad == uii ) {
        _popoverController = [ [ UIPopoverController alloc ]
initWithContentViewController: imagePicker ];
        _popoverController.delegate = self;
        [ _popoverController presentPopoverFromRect: _avatarButton.frame inView:
self.view permittedArrowDirections: UIPopoverArrowDirectionUp animated: YES ];
    }
    else
    {
        [ self presentModalViewController: imagePicker animated: YES ];
    }
}
```

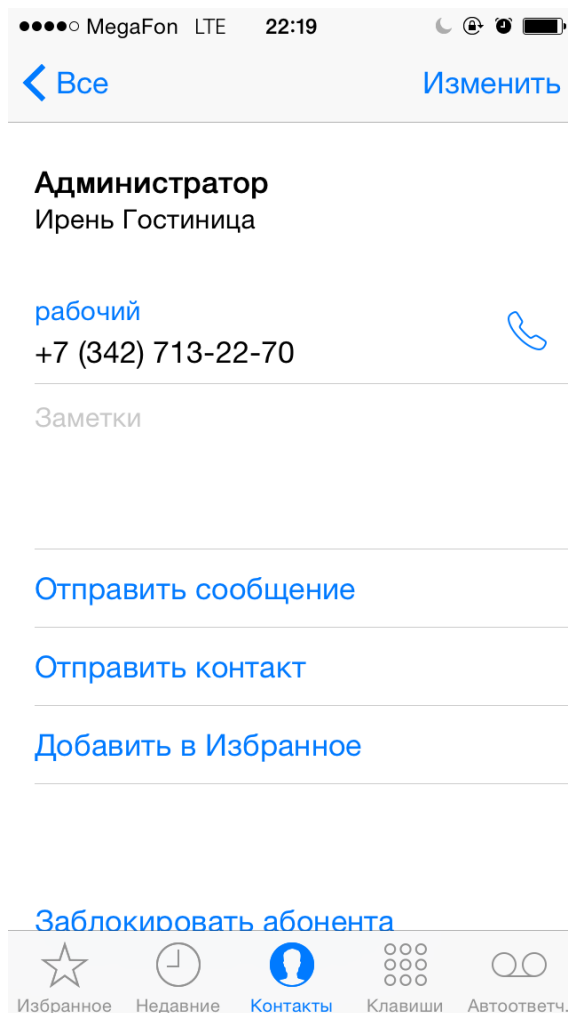
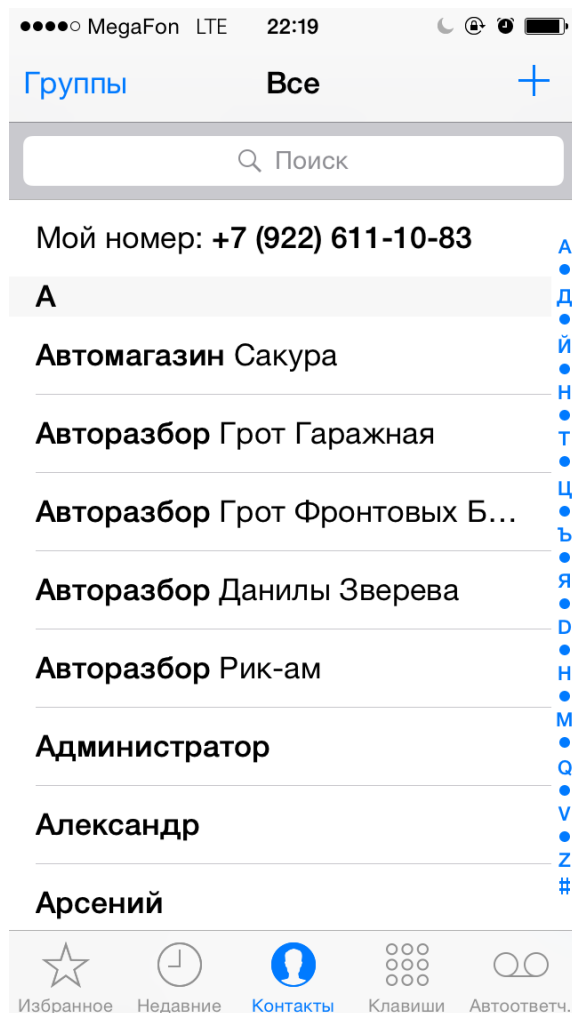

UIImagePickerController. Выбор из галереи

```
#pragma mark - UIImagePickerControllerDelegate
```

```
-( void ) UIImagePickerController: ( UIImagePickerController* )picker  
didFinishPickingMediaWithInfo: ( NSDictionary* )info  
{  
    UIImage* img = [ info objectForKey: UIImagePickerControllerEditedImage ];  
    [ _avatarButton setBackgroundImage: img forState: UIControlStateNormal ];  
  
    UIUserInterfaceIdiom uii =  
        [ [ UIDevice currentDevice ] userInterfaceIdiom ];  
    if ( UIUserInterfaceIdiomPad == uii && nil != _popoverController )  
    {  
        [ _popoverController dismissPopoverAnimated: YES ];  
    }  
    else  
        [ picker dismissModalViewControllerAnimated: YES ];  
}
```

ABPeoplePickerNavigationController

Когда Вам нужно выбрать человека или его контакт из адресной книги



ABPeoplePickerNavigationController

Отобразить достаточно просто

```
ABPeoplePickerNavigationController* picker =  
    [ [ ABPeoplePickerNavigationController alloc ] init ];  
  
picker.peoplePickerDelegate = self;  
[ self presentViewController: picker animated: YES ];  
[ picker autorelease ];
```

ABPeoplePickerNavigationController

Обрабатываем отказ пользователя

```
#pragma mark - ABPeoplePickerNavigationControllerDelegate
```

```
-( void ) peoplePickerNavigationControllerDidCancel:  
    ( ABPeoplePickerNavigationController* )peoplePicker  
{  
    [ self dismissModalViewControllerAnimated: YES ];  
}
```

ABPeoplePickerNavigationController

Обрабатываем выбор персоны. На этом шаге можно либо остановится, либо продолжить (если нам нужен не человек, а номер телефона)

```
#pragma mark - ABPeoplePickerNavigationControllerDelegate
```

```
-( BOOL )peoplePickerNavigationController:  
    ( ABPeoplePickerNavigationController* )peoplePicker  
    shouldContinueAfterSelectingPerson: ( ABRecordRef )person  
{  
    [ self displayPerson: person ];  
    [ self dismissModalViewControllerAnimated: YES ];  
    return NO;  
}
```

ABPeoplePickerNavigationController

Обрабатываем выбор контакта.

```
#pragma mark - ABPeoplePickerNavigationControllerDelegate

-( BOOL )peoplePickerNavigationController:
    ( ABPeoplePickerNavigationController* )peoplePicker
    shouldContinueAfterSelectingPerson: ( ABRecordRef )person
    property: ( ABPropertyID )property
    identifier:( ABMultiValueIdentifier )identifier
{
    return NO;
}
```

ABPeoplePickerNavigationController

Упоминавшаяся функция displayPerson

```
-( void ) displayPerson: ( ABRecordRef )person
{
    NSString* name = ( NSString* )
        ABRecordCopyValue( person, kABPersonFirstNameProperty );

    ABMultiValueRef phoneNumbers =
        ABRecordCopyValue( person, kABPersonPhoneProperty );
    if ( ABMultiValueGetCount( phoneNumbers ) > 0 )
    {
        phone = ( NSString* )
            ABMultiValueCopyValueAtIndex( phoneNumbers, 0 );
    }
    else
        phone = @"[None]";
}
```

Вопросы, пожелания, предложения?



Моя просьба

Пожалуйста, ответьте на пару вопросов по поводу курса:

<http://www.surveymonkey.com/s/L59NTCC>