

What Is That?

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

DrawViewController()	7
ExploreViewController()	8
MainMenuViewController()	8
RecordViewController()	10
<UIActionSheetDelegate>	
DrawViewController	5
<UIApplicationDelegate>	
AppDelegate	5
UIResponder	
AppDelegate	5
<UITabBarControllerDelegate>	
AppDelegate	5
UIViewController	
DrawViewController	5
ExploreViewController	7
MainMenuViewController	8
RecordViewController	9

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

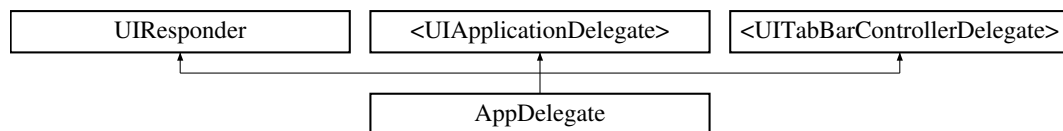
AppDelegate	5
DrawViewController	5
DrawViewController()	7
ExploreViewController	7
ExploreViewController()	8
MainMenuViewController	8
MainMenuViewController()	8
RecordViewController	9
RecordViewController()	10

Chapter 3

Class Documentation

3.1 AppDelegate Class Reference

Inheritance diagram for AppDelegate:



Properties

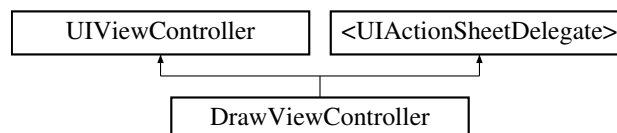
- UIWindow * **window**
- UITabBarController * **tabBarController**

The documentation for this class was generated from the following file:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/AppDelegate.h

3.2 DrawViewController Class Reference

Inheritance diagram for DrawViewController:



Instance Methods

- (IBAction) - [sliderChanged:](#)
- (IBAction) - [pencilPressed:](#)
- (IBAction) - [eraserPressed:](#)
- (IBAction) - [showOptions:](#)

- (IBAction) - [showSettings:](#)
- (IBAction) - [RGBOpSwitch:](#)

Protected Attributes

- CGPoint **lastPoint**
- BOOL **mouseSwiped**

Properties

- IBOutlet UIImageView * **mainImage**
- IBOutlet UIImageView * **tempDrawImage**
- IBOutlet UIView * **settingsMenu**
- IBOutlet UIView * **settingsBox**
- IBOutlet UIButton * **RGBButt**
- CGFloat **brush**
- CGFloat **opacity**
- IBOutlet UILabel * **brushLabel**
- IBOutlet UILabel * **opacityLabel**
- IBOutlet UISlider * **brushSlider**
- IBOutlet UISlider * **opacitySlider**
- IBOutlet UILabel * **brushValueLabel**
- IBOutlet UILabel * **opacityValueLabel**
- IBOutlet UIImageView * **brushPreview**
- IBOutlet UILabel * **rgbText**
- IBOutlet UISlider * **rgbSlider1**
- IBOutlet UISlider * **rgbSlider2**
- IBOutlet UISlider * **rgbSlider3**
- IBOutlet UILabel * **redLabel**
- IBOutlet UILabel * **greenLabel**
- IBOutlet UILabel * **blueLabel**
- IBOutlet UIButton * **blackPencil**
- IBOutlet UIButton * **greyPencil**
- IBOutlet UIButton * **redPencil**
- IBOutlet UIButton * **bluePencil**
- IBOutlet UIButton * **darkGreenPencil**
- IBOutlet UIButton * **lightGreenPencil**
- IBOutlet UIButton * **lightBluePencil**
- IBOutlet UIButton * **brownPencil**
- IBOutlet UIButton * **darkOrangePencil**
- IBOutlet UIButton * **yellowPencil**
- IBOutlet UIButton * **eraser**
- CGFloat **red**
- CGFloat **green**
- CGFloat **blue**
- NSArray * **pencils**

3.2.1 Method Documentation

3.2.1.1 - (IBAction) eraserPressed: (id) sender

Name: eraserPressed Parameters: sender – id object that sent the request Return: IBAction Modified: color is drawn on screen to match background color, effectively erasing other colors Purpose: allows the user to erase things on the screen

3.2.1.2 - (IBAction) pencilPressed: (id) sender

Name: pencilPressed Parameters: sender – id object that sent the request Return: IBAction Modified: current rgb values are drawn to the tempImage Purpose: allows the user to actually draw on the screen

3.2.1.3 - (IBAction) RGBOpSwitch: (id) sender

Name: RGBOpSwitch Parameters: sender – id object that sent the request Return: IBAction Modified: switches the menu currently showing Purpose: if the brush size and opacity menu is showing, it changes to the rgb menu, and vice versa

3.2.1.4 - (IBAction) showOptions: (id) sender

Name: showOptions Parameters: sender – id object that sent the request Return: IBAction Modified: none Purpose: causes an action sheet to come up, giving the user multiple options including clearing the drawing and saving their picture to the camera roll, among others

3.2.1.5 - (IBAction) showSettings: (id) sender

Name: showSettings Parameters: sender – id object that sent the request Return: IBAction Modified: none Purpose: causes the menu to pop up that shows the brush size, opacity, and rgb values, and the corresponding sliders. Hides this menu if it is already showing.

3.2.1.6 - (IBAction) sliderChanged: (id) sender

Name: sliderChanged Parameters: sender – id object that sent the request Return: IBAction Modified: sliders change brush size, opacity, and rgb color Purpose: allows the user to have more control over the drawing tool

The documentation for this class was generated from the following files:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Draw-ViewController.h
- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Draw-ViewController.m

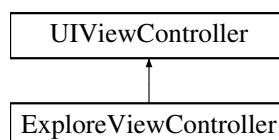
3.3 DrawViewController() Category Reference

The documentation for this category was generated from the following file:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Draw-ViewController.m

3.4 ExploreViewController Class Reference

Inheritance diagram for ExploreViewController:



Instance Methods

- (IBAction) - [ratePicture:](#)

Properties

- IBOutlet UIButton * **rateButton1**
- IBOutlet UIButton * **rateButton2**

3.4.1 Method Documentation

3.4.1.1 - (IBAction) ratePicture: (id) sender

Name: ratePicture Parameters: sender – id object that sent the request Return: IBAction Modified: none Purpose: creates an alert allowing the user to rate the corresponding picture with 1, 2, or 3 stars

The documentation for this class was generated from the following files:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Explore-ViewController.h
- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Explore-ViewController.m

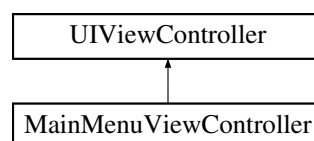
3.5 ExploreViewController() Category Reference

The documentation for this category was generated from the following file:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Explore-ViewController.m

3.6 MainMenuViewController Class Reference

Inheritance diagram for MainMenuViewController:



The documentation for this class was generated from the following file:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/MainMenuViewController.h

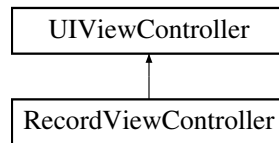
3.7 MainMenuViewController() Category Reference

The documentation for this category was generated from the following file:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/MainMenuViewController.m

3.8 RecordViewController Class Reference

Inheritance diagram for RecordViewController:



Instance Methods

- (IBAction) - [recordAudio:](#)
- (IBAction) - [playAudio:](#)
- (IBAction) - [sendSound:](#)
- (void) - [stop:](#)

Protected Attributes

- < AVAudioRecorderDelegate, AVAudioPlayerDelegate >
AVAudioPlayer * **audioPlayer**
- UIButton * **playButton**
- UIButton * **recordButton**
- BOOL **soundRecorded**
- NSTimer * **timer**
- float **testProgress**
- int **progressDir**

Properties

- IBOutlet UIButton * **playButton**
- IBOutlet UIButton * **recordButton**
- IBOutlet UIButton * **stopButton**
- IBOutlet UIProgressView * **audioReplay**
- IBOutlet UIProgressView * **progressBar**

3.8.1 Method Documentation

3.8.1.1 - (void) playAudio: (id) sender

Name: playAudio Parameters: sender – id object that sent the request Return: IBAction Modified: none Purpose: plays the recorded audio back to the user

3.8.1.2 - (void) recordAudio: (id) sender

Name: recordAudio Parameters: sender – id object that sent the request Return: IBAction Modified: progressDir set to 1, changes color of progress bar, and sets the audioRecorder to record Purpose: sets up everything needed to record sound and records up to 5 seconds of audio

3.8.1.3 - (IBAction) sendSound: (id) sender

Name: sendSound Parameters: sender – id object that sent the request Return: IBAction Modified: none Purpose: creates an alert telling the user the sound has been sent if they recorded a sound, or if they haven't, tells them that they didn't record a sound

3.8.1.4 - (void) stop: (id) sender

Name: stop Parameters: sender – id object that sent the request Return: IBAction Modified: enables the record and play buttons Purpose: stops recording if the user is currently recording, or stops playback if the user is currently playing their recorded sound back to themselves

Name: stop Parameters: sender – id object that sent the request Return: none Modified: enables the record and play buttons Purpose: stops recording if the user is currently recording, or stops playback if the user is currently playing their recorded sound back to themselves

3.8.2 Member Data Documentation

3.8.2.1 - (<AVAudioRecorderDelegate, AVAudioPlayerDelegate> AVAudioPlayer*) audioPlayer [protected]

Initial value:

```
{
    AVAudioRecorder *audioRecorder
```

The documentation for this class was generated from the following files:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Record-ViewController.h
- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Record-ViewController.m

3.9 RecordViewController() Category Reference

The documentation for this category was generated from the following file:

- /Users/alexwolf/Documents/Junior (Spring Semester)/App Competition/What Is That?/What Is That?/Record-ViewController.m