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All of our Objective-C classes use a standardized style.

Protocols

We use the following style for protocols:

ProtocolTemplate

```
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 * the License.
 *
 *
 * History
 *
 * dd.MM.yyyy - [XX] - creation
 */

/*!
  @protocol Foo
  @abstract Protocol implemented by Bar.
  @discussion That's what they do.
*/
@protocol Foo

#pragma mark -
#pragma mark Required

/*!
  @method requiredMethod:
  @abstract Validates the specified item.
  @param pItem The item to be validated.
*/
- (void)requiredMethod:(id) pItem;
```

```
/*!
  @method anotherRequiredMethod:
  @abstract Applies validation rules.
*/
- (void)anotherRequiredMethod;

#pragma mark -
#pragma mark Optional

@optional

/*!
  @method anOptionalMethod:
  @abstract Checks optional things.
*/
- (void)anOptionalMethod;

/*!
  @method anotherOptionalMethod:
  @abstract Checks another optional things.
*/
- (void)anotherOptionalMethod;

@end
```

The following rules are defined by this template:

- First, all required methods are defined
- Then all optional methods
- Grouping using the #pragma mark ...
- Important changes are documented in the header, including time stamp and author
- Documentation for the protocol declaration and all methods

Interfaces

We use the following style for interfaces (.h files):

InterfaceTemplate

```
/*
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the
 * License for the specific language governing permissions and
limitations under
 * the License.
 *
 *
 * History
 *
 * dd.MM.yyyy - [XX] - creation
 */

#import "Bar.h"

/*!
  @class Foo
  @abstract Foo provides a UI element.
  @discussion A Foo object is a simple view that can do two things:
Jump, Run.
*/
@interface Foo : Bar
{
    #pragma mark -
    #pragma mark Instance variable declarations

    @private

    /*! @var value the value of foo. */
    float value;
}

#pragma mark -
#pragma mark Property declarations

/*! @property value the value property. */
@property float value;

#pragma mark -
#pragma mark Initialization

/*!
  @method initWithString:
  @abstract Creates a new foo with string representation of width and
height.
  @param pString the width and height
  @result a new Foo instance.
```

```
*/
- (id)initWithString:(NSString *)pString;

#pragma mark -
#pragma mark Method declarations

/*!
  @method concatWidth:height:
  @abstract Concatenates the width and height.
  @param pWidth the width.
  @param pHeight the height.
  @result the string representation.
*/
+ (NSString *)concatWidth:(float)pWidth height:(float):pHeight;

/*!
  @method setWidth:height:
  @abstract Sets the foo width and height.
  @param pWidth the width.
  @param pHeight the height.
*/
- (void)setWidth:(float)pWidth height:(float)pHeight;

@end
```

The following rules are defined by this template:

- Grouping using the #pragma mark ...
- Important changes are documented in the header, including time stamp and author
- Documentation for the class declaration, ALL methods, properties and variables

Classes

We use the following style for classes (.m files):

ClassTemplate

```
/*
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limitations under
 * the License.
 *
 *
 * History
 *
 * dd.MM.yyyy - [XX] - creation
 */

#import "Foo.h";


@implementation Foo

#pragma mark -
#pragma mark Properties

@synthesize value;

#pragma mark -
#pragma mark Initialization

- (id)initWithString:(NSString *)pString
{
    ...
}

#pragma mark -
#pragma mark Method declarations

+ (NSString *)concatWidth:(float)pWidth height:(float):pHeight
{
    ...
}

- (void)setWidth:(float)pWidth height:(float)pHeight
{
    ...
}

@end
```

The following rules are defined by this template:

- Grouping using the #pragma mark ...

- Important changes are documented in the header, including time stamp and author

Unit Tests

OCUnit is used as the testing framework.

We use the following style for unit tests:

TestTemplate

```
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limitations under
 * the License.
 *
 *
 * History
 *
 * dd.MM.yyyy - [XX] - creation
 */

#import "Foo.h"


@implementation FooTest

#pragma mark -
#pragma mark Internal methods

#pragma mark -
#pragma mark Test methods

/*!
  @abstract Tests the init method.
*/
```

```
- (void)testInit
{
    ...
}

@end
```

The following rules are defined by this template:

- Grouping using the #pragma mark ...
- Each test class ends with “Test”
- Each test method starts with “test”
- Important changes are documented in the header, including time stamp and author
- Documentation for the class declaration and all test methods

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https://doc.sibvisions.com/jvx/join/style_objectivec

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