

# Modular iOS Apps

GOALS

*divide* the XING iOS  
App into logical parts

*make it easier* for  
**new coworkers to get  
started**

enable *versioning* in  
the different modules

*slim down* the main  
app

make other product  
teams *more*  
*productive*

**write *cleaner code***  
**due to segmentation**



HOW

- ▶ **CocoaPods**
  - ▶ **Rake**
  - ▶ **Jenkins**
- ▶ **Ruby command line tool**

**each module has a podspec**

**private cocoapods specs repository  
on GitHub Enterprise**

Jenkins builds the spec repo on  
every pull request and checks for  
valid podspecs

*Just like the real Specs Repo*

*unified rake tasks*  
**for each project**

```
rake build
```

```
# builds the project for CI
```

```
rake version:bump:minor
```

```
# bumps minor, patch and major version number
```

```
rake git:release
```

```
# tags the version and pushes to master
```

```
rake pod:push
```

```
# pushes the podspec to the master repo
```

## Ruby CLI

- ▶ based on Thor gem
- ▶ heavily uses Xcodeproj from Cocoapods



```
$ xcnew help new
```

Usage:

```
xcnew new PROJECTNAME PREFIX
```

Description:

`xcnew new` creates a new XING iPhone App module project to get you up and running in no time.

It will create our desired file structure for modules, install our dependencies and create simple Xcode project with Login using the XNGAPIClient.

```
$ xcnew new XNGCocoaHeads CH
```

DEMO

MODULES

*13* core modules extracted  
*21* other modules (regular pods)

# XNGUIKit

UIDevice, UIImage, UIImageView, ...  
categories and subclasses

# XNGFoundation

NSString, NSArray, NSDictionary, ...  
categories and subclasses

# XNGDataModel

CoreData model, mogenerator  
models, models, datafetcher etc.

**BaseViewControllers**  
**UIViewController, UICollectionView,**  
**UITableViewController, ...**



# Other Modules

Login, Walkthrough, Register,  
XNGFont, XNGColor, Tracker ...

What's *next*?

port the installer to cocoapods

GitHub: [piethbrauer/cocoapods-generate-command](https://github.com/piethbrauer/cocoapods-generate-command)

**Apply modules pattern to network  
news, profile etc. once the small  
issues are resolved**

Find more iOS  
developers.

**Build more modules.**

**Answer your  
questions.**

**Thanks !**

**@piet\_nbn**