VA Kidney Native iPhone App Prototype Challenge - Deployment Guide

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**Revision History**

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| **Author** | **Revision Number** | **Date** |
| TCCODER | 1.0 | Dec 25, 2017 |
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[Deployment Instructions](#_ob895omrnnc9)

[1. Deployment Dependencies](#_10dbpuh2o3nq)

[2. Organization of Submission](#_gotv6lx0itey)

[3. 3rd party Libraries](#_qhboe5kg4pen)

[4. Configuration](#_84rknq9c831f)

[4.1. Configuration file](#_26in1rg)

[4.2. Sample data](#_62fj78q37x6o)

[5. Deployment Instructions](#_qvzf7vr4plaz)

[5.2. Build and run the app in a simulator or on a real device](#_lkpde7epc58)

[6. Verification](#_qgt61gy10rbr)

[7. Resource Contact List](#_buwt2alz4e17)

# Deployment Instructions

## 1. Deployment Dependencies

Before performing a deployment, it is assumed that the following have been set up:

* Xcode 9.2+
* OS X 10.12.6 or above
* iOS SDK 11 or above
* iPhone device or simulator with iOS 10+

## 2. Organization of Submission

* *src* – this directory contains the source code
* *src/VAKidneyNutrition.xcworkspace* – Xcode workspace to open.
* *docs* – this directory contains the documents for this application, including this deployment guide

## 3. 3rd party Libraries

**SwiftyJSON** - <https://github.com/SwiftyJSON/SwiftyJSON>

SwiftyJSON makes it easy to deal with JSON data in Swift. Version: 4.0.0

All libraries are configured in *src/Podfile*

## 4. Configuration

### 4.1. Configuration file

There is no specific configuration for this demo app.

### 4.2. Sample data

Sample data (used to fill the prototype with data) are stored in JSON files in *VAKidneyNutrition/Supporting Files/Sample Data/* group.

## 5. Deployment Instructions

### 5.2. Build and run the app in a simulator or on a real device

Pods directory should be pulled using the following command runned from src directory:

$ pod install

To build and run the app in a simulator or on a real device you will need to do the following:

1. Open *src/VAKidneyNutrition.xcworkspace* in Xcode
2. Select *VAKidneyNutrition* scheme from the top left drop down list.
3. Select a real iPhone (when connected) or a simulator from the top left dropdown list.
4. Click menu Product -> Run (Cmd+R)
5. Follow the verification steps in [7. Verification](#_qgt61gy10rbr)

## 6. Verification

Follow the [challenge description](https://www.topcoder.com/challenges/30062538/?type=develop&tab=details) and [forum messages](https://apps.topcoder.com/forums/?module=Category&categoryID=40715) to verify the app. See some notes below. Also you can follow the video (how to launch the server and verify the screens) - <https://youtu.be/ZuWIjcQgbI4> .

**Notes**

* **You must remove previously installed app on your device/simulator because Core Data model changed and requires fresh install.**
* Try to tweak the sample JSON files to verify how the app renders changed data (in all submissions)
* A few options added in the code to switch between different behaviors. Search for “let OPTION\_” in the code. For example, “Login” button is disabled until both fields are filled. However, you can disable this behaviour with modifying OPTION\_DISABLE\_LOGIN\_IF\_EMPTY\_FIELDS = false in the code if you want to verify all cases when input data is incorrect (empty fields).
* Verify how “Next” button works on the keyboard in ‘Login” and “Add New Meal” form (in all submissions).

## 7. Resource Contact List

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| --- | --- |
| **Name** | **Resource Email** |
| TCCODER | Through TopCoder Member Contact |