VA Kidney Nutrition Mobile iOS App Architecture and Seed Project 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

## 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
* *server -* this directory contains the sample JSON file used for a local server
* *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/30061266/?type=develop&tab=details) and [forum messages](https://apps.topcoder.com/forums/?module=Category&categoryID=39505) 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/Ykv7HR5zGmk> .

**Notes**

* Because wireframes are sometimes confusing and this is a demo app some functions in the app have stubs (show stub message instead of save/update operation). This is enough for the demo app and can be implemented in future. All navigation flows are implemented completely. The following requirement is also implemented - *“demonstrates saving/ retrieving user data...*” The app saves/updates Account, Profile, Goals, Food data. All other data depend on complex logic that must be implemented to make the data persistent (this is too much for the demo app).
* Also read *doc/Architecture.pdf*.

## 7. Resource Contact List

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