

**Concordia University
Department of Computer Science
and Software Engineering**

Touch For Food

Installation Guide

**SOEN 490
Capstone Project
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CloudNine

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Revision History

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2013-03-30	11.1	Document Creation	Ryan Nasr, Christian Daher
2013-03-30	11.2	Added Android Installation	Christian Daher
2013-03-30	11.3	Added iOS Installation	Cristian Asenjo

1 Introduction

This document is the reference for the installation and commissioning of the Touch For Food Application (TFF). The information within this document explains how to install and uninstall TFF, how to commission and populate the database, and how to build and run the system.

2 Installing TFF

The product to be installed will be a live version of TFF. This section provides general information and guidelines on how to install our product.

2.1 Requirements

The following specifications are the minimum requirements for the server to run TFF:

- Windows Server 2008 R2
- Microsoft IIS 7.0
- Microsoft SQL Server 2008 R2
- .NET Framework v4.0

The following specifications are the minimum requirements to run TFF on a desktop computer:

- Operating System
 - Windows XP
 - Ubuntu 10
 - Apple Mac OS X 10.5
- Web Browser
 - Internet Explorer 8
 - Mozilla Firefox 3.6
 - Google Chrome 12
 - Apple Safari 5.1

The following specifications are the minimum requirements to run TFF on a mobile device:

- iOS 5.1
- Android 4.0 (ICS)

2.2 Documentation

The following is the documentation supplied:

Of interests to users:

- Installation & User Guide

Of interests to developers:

- Architecture – The architectural artifacts that define TFF.
- Planning and Reports – The plans and reports for the development of TFF user stories.
- Testing – The testing done for modules created and defects.
- Vision and Requirements – The functional and non-functional requirements for TFF.
- UIR – The information and the user interface.

2.3 TFF Installation

The following are the standard steps to fully set up the TFF application.

2.3.1 Setting up the server

The server should be set up with IIS 7.0 installed and MSSQL 2008 R2 or higher.

The following are the steps required to install TFF on IIS:

1. Create a folder called 'TFF_Application'
2. Copy over the content of the TFF deployment folder located in "[file path to TFF]\deployment\bin" to the folder created in step 1.
3. In IIS, right click on 'Sites' and click on 'Add Website'
 - a. In 'Site Name', input 'TFF'
 - b. In 'Physical Path', browse to the folder created in Step 1
 - c. In 'Connect As', input a user that has full access to the folder created in Step 1.
 - d. In 'Port', select any desired port but make sure that port is not being used by any other website or application.
 - e. Leave 'hostname' blank.
4. In IIS, click on 'Application Pools'
 - a. Right click on the Application Pool with the name created in Step 3.a
 - b. Click on 'Basic Settings'
 - c. Under '.NET Framework version', select '.NET Framework v4.0'

2.3.2 Setting up the database

The following are the steps required to set-up the database:

1. Open SQL Management Studio, and connect to the database that was created during MSSQL installation.
2. Right click on the 'databases' folder and click on 'Restore database'
3. Select the 'Device' option and click on the '...' browse button.
4. Navigate to "[file path to TFF]\deployment\mssql" and select the *.bak file.
5. Next to 'Database' select 'touch_for_food'
6. Under 'Backup sets to restore', select the 'touch_for_food-Full Database Backup'
7. Click on OK.

2.3.3 Installing TFF on Android device

The following are the steps required to install TFF on an Android device:

From Google Play Store:

1. Once TFF is published on the Google Play Store, simply open the Play Store from your Android device and search for 'Touch For Food' and install it.

Manual:

1. Install the Android Debug Bridge (ADB) from: <http://developer.android.com/sdk/index.html>
2. Plug in your Android device to the computer using a USB cable.
3. Open Microsoft Command Prompt (cmd.exe)
4. Navigate to [Path to ADB installation location]\sdk\platform-tools

5. Run the following command: 'adb.exe install '[Path to TFF]\deployment\android\tff.apk'

2.3.4 Installing TFF on an iOS device

The following are the steps required to install TFF on an iOS device:

From the App Store:

1. Once TFF is published on the App Store, simply open the App Store from your iOS device and search for 'Touch For Food' and install it.

Manual:

Note: These instructions assume you have a valid iOS developer's account and developer device configured with at least iOS 5.

1. Open the TFF project in Xcode
2. Click on the dropdown list beside the Stop button and choose your iOS development device from the list.
3. Click on the Run button to deploy the application to your iOS device.

2.3.5 Validate installation

Once all the steps in 2.3.1 and 2.3.2 are complete, make sure the TFF website is running correctly by visiting "[http://localhost:\[PORT from Step 2.3.1.3.d\]](http://localhost:[PORT from Step 2.3.1.3.d])" in a browser. You should see the TFF logo.

2.3.6 Upgrading TFF

It is suggested that an experienced programmer in the Microsoft MVC framework be hired to provide changes to the system as needed.

2.3.7 Uninstalling TFF

The following are the steps required to uninstall TFF:

1. Delete the website created in IIS
2. Delete the MSSQL database
3. Delete the folder created in step 2.3.1.1

3 Commissioning TFF

This section describes how to link the database to TFF via the configuration file provided and how to populate the database.

3.1 Setting up the web.config file

The following are the steps required to link the MSSQL database to TFF:

1. Open the 'web.config' file located in the installation folder created in step 2.3.1.1
2. In the 'connectionStrings' tag:
 - a. Modify the 'connection string' attribute to point to the MSSQL server instance created during the MSSQL server installation.
 - b. Modify the 'User ID' and 'Password' attributes to link to a user with full access to the TFF MSSQL database.

4 Building TFF

4.1 Obtaining Source Code

The source code will be available from an SVN repository where the latest version of TFF can be found. Authentication is required and can be provided by team Cloud Nine. The path to the SVN repository is:

<https://subversion.assembla.com/svn/soen-490-capstone/>

4.2 Running Tests

Unit tests can be executed with the Visual Studio project provided in the source code repository.

4.3 Creating Installation Bundle

The following steps are required to create a deployment package for IIS to install TFF:

1. Open the Visual Studio project found in the source control repository.
2. Right click on 'TouchForFood' and select 'Publish'
 - a. Under 'Publish Methods', select 'File System'
 - b. Under 'Target Location', select a folder to publish to (make sure you use this folder for the IIS website)
 - c. Click on 'Publish'

Appendix A References

- [1] K. Anderson, C. Donato, J. Hum, M. Levkovsky, A. Lloyd, P. Modafferi, *"IC&User Guide"*. Montreal, QC: Concordia University, 2012.