Project Plan

Toward TCC Version 2.1

COMPUTER SCIENCE DEPARTMENT
TEXAS CHRISTIAN UNIVERSITY
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Project Plan
Version 2.1

Revision Sign-off

By signing below, the team member certifies that he has read the entire document and has, to the best of his knowledge, found the information contained herein to be accurate and relevant within the document.

Name	Signature	Date
Matthew Bauer		
Reid Mulkey		
Jose Segura		

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Revision History

The following is a history of revisions made to this document.

Document Version	Date Submitted	Changes
Plan V1.0	10/4/12	Initial Version
Plan V1.1	10/18/12	Content Update
Plan V1.2	12/12/12	Formatting and Content Updates
Plan V2.0	1/24/2013	Content Updates
Plan V2.1	3/5/2013	Schedule Update

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1 Introduction
1.1 Purpose

The purpose of this document is to outline the project Toward TCC. This plan helps to communicate with the developers at Tarrant County College (TCC) and helps define the objectives of Toward TCC.

1.2 Document Overview

This document will be the introduction to the Toward TCC project through an organized plan to the clients and the end users. In the project overview section, an explanation of work to be accomplished and the desired outcome is given, as well as how the project will meet the needs of the customer. In the resource specification section, software and hardware requirements have been mentioned with their basic background details, together with the contact information of the stakeholders. Under the project management section, milestones and deliverables help keep track of the progress, and convey it to the customer. Team member roles and responsibilities outlines the tasks assigned to each resource. Monitoring and report mechanisms keep track of every team member's activity. Risk management explains the different obstacles that may arise and proposes mitigation techniques. The glossary of terms helps to understand some key words and abbreviations.

2 Project Overview
2.1 Scope and Objectives

The objective of the Toward TCC project is the creation and development of an application that is intended for iOS, Android, and web-browser devices. The application will be used by College Awareness Community Outreach (CACO) at TCC as a tool for potential college applicants to receive counseling and discover possible career paths.

2.2 Background

CACO has been visiting area schools and distributing materials for college preparation. The materials include a college checklist, degree information, and application information. The checklist outlines what a high school student needs to complete so that they are ready to apply to colleges. The degree material lists information on what degrees and programs they can earn at TCC. The degree material also highlights TCC's affordability. CACO wants to transfer these paper documents into a mobile and web app so that students have the previously mentioned information readily available.

3 Resource Specifications

3.1 Software

In order to ensure proper development and testing, the following software components are required:

General Support Environment

- Adobe Creative Suite 6
- ASP.NET Web Server IIS 7
- Camtasia Studio 7
- Microsoft Office 2010 including Microsoft Visio 2010
- Sublime Text Editor 2
- Tortoise SVN
- Windows XP (or later)

Android Development

- Eclipse 4.2 Juno IDE
- Android SDK

iOS Development

- Apple iOS 6
- Apple OS X 10.6.8 or later
- Apple Xcode 4.6.2

Web Development

- Sublime Text Editor 2
- ASP.NET Web Server IIS 7

3.2 Hardware

In order to ensure proper development and testing, the following hardware components are required:

- A hardware configuration compatible with Apple (OS X or better)
- A hardware configuration compatible with Windows (XP or better)
- Apple iPad
- Apple iPod
- Apple iPhone
- Android Device

3.3 Contacts

The Web Communications Department of TCC
 (817)515-1532 300
Trinity Campus Circle, TX 76102 Office Number TREF 3321

- Robert Heyser, robert.heyser@tccd.edu
- Susan Ragland, susan.ragland@tccd.edu
- Mark Crouch, mark.crouch@tccd.edu
- Brandon Tucker, brandon.tucker@tccd.edu

4 Project Management
4.1 Milestones and Deliverables

- October 4th, 2012   - Project Plan Document (Version 1.0)
- October 11th, 2012   - Project Support Environment Setup
- October 18th, 2012   - Requirements Document (Version 1.0)
- November 15th, 2012   - Design Document (Version 1.0)
- December 13th, 2012   - Iteration 1
- January 25th, 2013   - Iteration 2
- February 20th, 2013   - Iteration 3
- February 28th, 2013   - Test Plan (Version 1.0)
- March 14th, 2013   - NTASC Abstract
- March 22nd, 2013   - Iteration 4
- March 29th, 2013   - SRS Abstract
- March 31st, 2013   - NTASC Presentation
- April 7th, 2013   - User Manual (Version 1.0)
- April 10th, 2013   - Developer Guide (Version 1.0)
- April 12th, 2013   - SRS Poster Due
- April 19th, 2013   - SRS Presentation
- April 23rd, 2013   -DVD Submission
- April 27th, 2013   - Project Completion
- May 2nd, 2013   - Final Presentation

Iteration 1
Skeleton application developed for both the web and iOS application. The application will also store checklist data on the device. Will complete a prototype of application layout, and verify with customer.

Iteration 2
Implement custom browser for the mobile applications. Begin Android application. Refine iOS and web application views according to customer input.

Iteration 3
Make further content and visual updates with the customer. Gather final content.

Iteration 4
Unit testing and feedback updates.

4.2 Team Member Roles and Responsibilities
Reid Mulkey – Technical Lead
Matthew Bauer – Android programmer and tester
Jose Segura – Project Organizer, web developer

4.3 Monitoring and Reporting Mechanisms
4.3.1 Meetings

Weekly team meetings will take place Tuesday and Thursday mornings at 1 PM. Supplemental meetings will be held on the weekends when necessary. Weekly Activity Reports will be made during the Tuesday meeting.

4.3.2 Communication

Team Communication will be held through the following mediums:

1. TCU Email
2. Text Messages
3. Facebook
4. Google Documents
5. Google Hangouts
6. Weekly Meetings

Communication to TCC will be conducted through email.

4.3.3 Requirements Control

Once requirements are finalized, a charter will be made by TCC. This charter means that TCCWCD will need to approve changes with CACO and also prevents scope creep from CACO. Any requirement changes will require a team consensus and approval from TCCWCD and Dr. Payne in order to be implemented.

4.3.4 Weekly Activity Reports (WAR's)

WAR's will be uploaded to the team site at brazos.cs.tcu.edu. Weekly Activity reports will be collected on our Tuesday meeting, and uploaded by Wednesday night. Modifications to the website will be made by Jose Segura.

4.3.5 Walk-throughs

Walk-throughs will be done either at our weekly meetings or online using Google Documents or Google Hangouts. Dr. Payne may request additional walk-throughs or attend walk-through group meetings.

4.4 Risk Management

Contingency	Probability/Severity	Mitigation Strategy
Changes to requirements which require immediate design rework are proposed	Very Low/Serious	The charter agreement will help protect us from significant changing requirements.
Key staff is ill at critical times	Moderate/Moderate	Stagger team knowledge so that one person is not crucial.
CACO Communication difficulty	Moderate/Serious	Strengthen communications through the TCCWCD.
Complying with the Apple HIG	Very High/low to moderate	Paper prototype to avoid possible HIG conflicts.

5 Glossary of Terms

<u>Apple HIG</u> (Apple's Human Interface Guidelines) – Guidelines Apple has established for iOS user interfaces. If these guidelines are broken, the application will not be allowed onto the app store.

<u>College Checklist</u> – This is a checklist with useful information necessary to complete before attending college.

<u>Application Videos</u> – Videos that CACO is currently using to promote higher education. The user will be able to view these videos on the application.

<u>CACO</u> (College Awareness Community Outreach) – They are the customers for the project. CACO representatives go to area schools to teach children how to be successful in school and how higher education can make a difference in their life.

<u>Career Coach</u> – An existing TCC application developed by a 3rd party. Students can input their interests and receive a list of relevant careers and all the classes required.

<u>iOS</u> – Apple's mobile operating system.

<u>TCC</u> (Tarrant County College)

<u>TCCD</u> (Tarrant County College District)

<u>TCCWCD</u> (Tarrant County College Web Communications Department) –Contact for CACO. They will maintain the project after the delivery.

<u>TCU</u> (Texas Christian University)