Software Project Plan

Version 1.0

iPAWS

Team B

Fall 2014

9/4/2014

Author: Andrew Wells, Project Leader

Working Table of Contents

Revision History

Version	Date	Action	Editor
1	8/31/2014	Outlined basic structure.	Andrew Wells
	9/2/2014	Began creating SPP based off template. Populated Introduction, Project Scope, and Major Functions.	Andrew Wells
	9/3/2014	Populated the rest of the fields required for this document.	Andrew Wells

Introduction

This system will be created for the purpose of assisting individuals who have autism as well as their guardians with daily tasks and steps to complete said tasks.

Project Scope

The entailed system is based on the requirements given to us by Dr. Tan as well as any additional information received from the client. This system will assist in daily life for individuals who have autism by allowing their guardians to assign tasks to the individual which contain steps, of various detail, on how to complete each task. The system will consist of a front end task manager for the individual, as well as back end task developer for the guardian and manager. Each account will have its own login and have restrictions placed on it to ensure security. The system will be able to gather metrics on different aspects of each task given which should then be delivered to the guardian for assessment.

Major Functions

This section provides a high-level description of each user's functions.

Manager

- Manager will be able to create, manage, and remove accounts for the system.
- Manager is responsible for generating reports based off metrics gathered and delivering the reports to the supervisor.
- Manager will be able to login and access webpages specific to their role.
- Manager will be able to see information about all users accounts.

Supervisor

- Supervisor will be able to create tasks and further specify task details.
- Supervisor will be able save tasks to the data base as well as remove tasks from the data base.
- Supervisor will be able assign tasks to clients.
- Supervisor will be able to login and access webpages specific to their role.

Client

- Client will be able to see assigned tasks.
- Client will be able to see specific details pertaining to tasks assigned to them
- Client will be able to request tasks.
- Client will be able to login.

Performance Issues

- Issues will be noted and addressed in a case by case manner.
- Resolution of these issues will be completed by the entire team.

Management and Technical Restraints

- Week 7 is a formal presentation of our project to the whole team.
- Week 8 of the project the team has our initial delivery to the client.
- Week 13 is a formal presentation of our project to the whole team.
- Week 14 of the project is the clients final Acceptant/Rejection of the project.
- Our team must successful work together to develop the backend for this project.
- Our team must work in synchronism with the other teams in order to complete this project.

Project Estimates

Historical data used for estimates

Research into the different types of web-hosting services and their costs.

Estimates

If client does not have servers available to host this program on then it will cost around $XXXXXX USD per year.

If the client is interested in buying a server to host this on it will cost them around $XXXXX USD.

Project Resources

People

Five computer science majors will work together to complete the back end of the project. In addition, there will be a team of 4 working on the front end of the project. One client will be contacts as needed and at scheduled dates.

Hardware

This project will require a server capable

Software

We will be developing this project in Visual Studio 2012.

Languages

Our team will be using ASP.NET and C# to complete the majority of this project. Other languages may be used to expand the GUI but that is to be determined later in the project.

Operating System

Microsoft windows will be used.

Risk Management Plan

See Risk Management Plan when created.

Project Schedule / Activities

See the Work Breakdown Schedule, Version 1.0, authored by Josh Kerbaugh, dated 8/29/2014.

Team Structure

The structure of the team consists of one Project Leader, one Project Manager, Systems Analysts, System Designers, System Developers, and System Testers. Team members may take on other roles as needed. However, no team member may be both a System Developer and System Tester.

Team Member	Role(s)
Andrew Wells	Project Leader, System Tester
Evan Miller	System Analyst, System Tester
Adam Cress	System Designer, System Tester
Josh Kerbaugh	Project Manager, System Developer
Dan Talley	System Designer, System Developer

Management Reporting and Communication

Our basic tool for communication will always be email via office 365(our KU email accounts). In addition we have a website that will be used to track our team's progress as well as document management.

http://jkerb135.github.io/Software-Engineering/

We will also be using GitHub to build and share the source code for this project.

Tracking and Control Mechanisms

Quality Assurance and Control

- Quality assurance and control will be achieved in the following ways:
    - Managing risk and insuring there are mitigation procedures in place.
    - Frequent communication with client.
    - Managing day-to-day activities of the team.
    - Insuring integrity and honesty in reporting (i.e., hours worked, documents written).

Change Management and Control

- Change management and control will be achieved in the following ways:
    - The numbering system for document revisions must be consistent.
    - The revision history for a certain document must be updated whenever changes are made.
    - The team, especially the leader and manager, must be informed of any major project changes that take place.

Diagrams

Diagrams will be added to this document later in the project timeline.