Hangman PHP Game

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ITC 250
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Executive Summary

▶ Create and host a game of Hangman using PHP coding
▶ Has minimal system requirements for both the host and client
▶ Written with Adobe Dreamweaver CS6 and hosted using XAMPP

Project Schedule

Task Name	Duration	Start	Finish	Cost
Scope	**1 day**	**Mon 10/6/14**	**Mon 10/6/14**	**$1,556.43**
Determine Project Scope	1 day	**Mon 10/6/14**	**Mon 10/6/14**	$0.00
Determine Required Resources	1 day	Mon 10/6/14	Mon 10/6/14	$0.00
Secure Resources	0 days	Mon 10/6/14	Mon 10/6/14	$1,556.43
Define Requirements	**1 day**	**Sat 11/1/14**	**Sat 11/1/14**	**$0.00**
Review Software Requirements	1 day	Sat 11/1/14	Sat 11/1/14	$0.00
Design	**1 day**	**Sat 11/1/14**	**Mon 11/3/14**	**$0.00**
Create layout/interface	2 days	Sat 11/1/14	Mon 11/3/14	$0.00
Development	**16 days**	**Thu 11/6/14**	**Thu 11/27/14**	**$0.00**
Coding	16 days	Thu 11/6/14	Thu 11/27/14	$0.00
Testing	**2 days**	**Thu 11/27/14**	**Sun 11/30/14**	**$0.00**
Test Code	2 days	Thu 11/27/14	Fri 11/28/14	$0.00
Modify Code	2 days	Fri 11/28/14	Sat 11/29/14	$0.00
Re-Test Code	2 days	Sat 11/29/14	Sun 11/30/14	$0.00
Documentation	**7 days**	**Sun 11/30/14**	**Tue 12/9/14**	**$0.00**
Create report	8 days	Sun 11/30/14	Tue 12/9/14	$0.00

Description

▶ Create Hangman using PHP coding

▶ Will be hosted on XAMPP web server

▶ Will include the following features:

  ▶ Drawing of hangman that changes with incorrect guesses

  ▶ Incorrect guesses are displayed to the side

  ▶ Numeric display of number of guesses left

  ▶ Lines will fill out with correctly guessed letters

  ▶ Separate word file that contains list of potential words

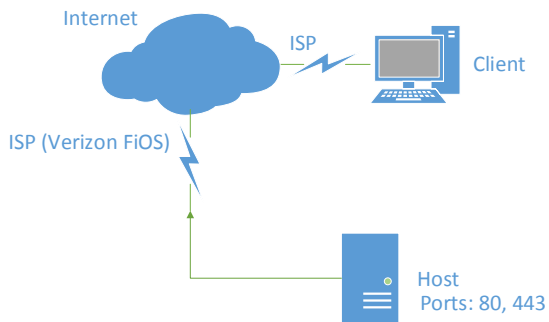 ▶ Lines to indicate how many letters the word is

  ▶ Restart button

System Requirements

- ▶ The requirements for XAMPP on the host side are as follows [1]:
  - ▶ Windows Server 2008, Windows Server 2012, Windows Vista, Windows 7, or Windows 8. Most Linux platforms and Mac OS X 10.6+ are also supported.
- ▶ The requirements for Adobe Dreamweaver CS6, which will be used for coding, are as follows [2]:
  - ▶ Intel® Pentium® 4 or AMD Athlon® 64 processor; Microsoft XP with SP3, Windows 7 with SP1, or Windows 8 or 8.1; 512 MB of RAM; 1280x800 display with 16-bit graphics adapter; Java Runtime Environment 1.6; Quicktime 7.6.6
- ▶ No client-side requirements could be found through research
- ▶ It can be assumed that any computer with an internet connection should be able to run this webpage
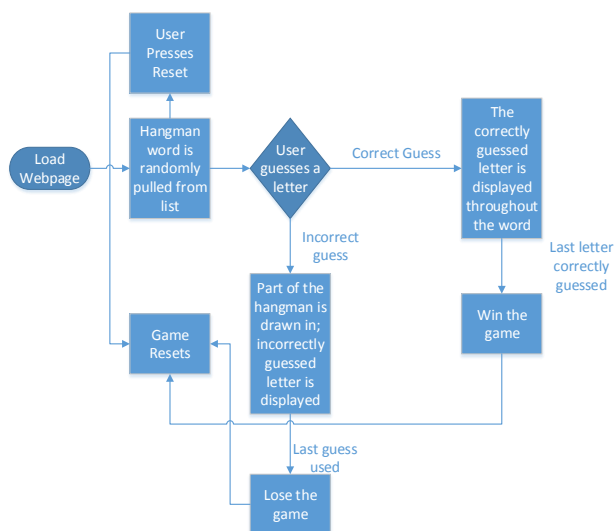
Component List

- ▶ The equipment that will be used for this project includes:
  - ▶ OS: Windows 8.1 - 64-bit
  - ▶ CPU: Intel Core i5-4690K 3.5GHz Quad-Core
  - ▶ Memory: Corsair Vengeance LP 8GB (2 x 4GB) DDR3-1866
  - ▶ Video card: Asus GeForce GTX 780 3GB DirectCU II
  - ▶ Storage: Samsung 840 EVO 500GB 2.5" SSD and Western Digital Caviar Blue 1TB 3.5" 7200RPM
  - ▶ Browser: Internet Explorer (v11.0.9600.17351), Google Chrome (v38.0.2125.111 m), Mozilla Firefox (v33.0.2)
  - ▶ Hosting program: XAMPP for Windows v.1.8.3 (PHP 5.5.15)
  - ▶ Coding program: Adobe Dreamweaver CS6 Version 12.0.5808
  - ▶ Other programs: Microsoft Word, Powerpoint, Project, and Visio (2013 versions)
  - ▶ Internet: Verizon FiOS 15/5M Dynamic High Speed Internet – Residential

System Infrastructure

Internet

ISP — Client

ISP (Verizon FiOS)

Host
Ports: 80, 443

System Interaction

User Presses Reset

Load Webpage → Hangman word is randomly pulled from list → User guesses a letter

Correct Guess → The correctly guessed letter is displayed throughout the word

Incorrect guess

Part of the hangman is drawn in; incorrectly guessed letter is displayed

Game Resets

Win the game

Last letter correctly guessed

Last guess used

Lose the game

Works Cited

[1] Apache Friends, "Download," 2014. [Online]. Available:
https://www.apachefriends.org/download.html. [Accessed 3 November 2014].

[2] Adobe, "System requirements | Dreamweaver," [Online]. Available:
http://helpx.adobe.com/dreamweaver/system-
requirements.html#main_Dreamweaver_CS5_5_system_requirements. [Accessed 3
November 2014].