
CS 142 Advanced Web Design: CSS and Usability

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Creating a Web Based Schedule Comparison Tool

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Version <2.0>

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Software Requirements Specifications	5/5/2014

<h1>Time Log</h1> <p>A more detailed history of our work can be found at http://github.com/Dillonb/scheduler</p>			
Date	Time Spent (in hours)	Description	Author
		Your estimated time to complete assignment 50 hours	
11/06/13	0.5	Created site skeleton	Dillon Beliveau
11/07/13	4	Worked on user authentication	Dillon Beliveau
11/08/13	1.5	Made the login page work	Dillon Beliveau
11/09/13	4	Created basic data models and the beginnings of data entry forms.	Dillon Beliveau
11/09/13	2	Added registration support and updated home page	Elliot DeMatteis
11/10/13	1.5	Updated account page, updated authentication system, added event creation, added JQuery UI objects to a form, added beginnings of schedule viewing.	Dillon Beliveau
11/11/13	1	Basic schedule viewing, beginnings of friends system	Dillon Beliveau
11/12/13	4	Extended friends system	Dillon Beliveau
11/13/13	4	Updated friends system and began work on user profile and schedule model validation	Elliot DeMatteis

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11/14/13	0.25	Quick bugfixes	Dillon Beliveau
11/16/13	1	Less quick bugfixes (Events, schedule viewing)	Dillon Beliveau
11/17/13	3.5	Made schedule view look GLORIOUS	Dillon Beliveau
11/19/13	3.5	Added support for editing schedules and events	Dillon Beliveau
11/22/13	0.25	A few small updates	Dillon Beliveau
11/23/13	1	Began to implement main schedules. Also fixed a few permissions related issues.	Dillon Beliveau
11/24/13	3.5	Improved look of many pages, added main schedule functionality, added beginnings of comparing support, improved top bar of site	Dillon Beliveau
12/01/13	3	Bugfixes and comparing schedules.	Dillon Beliveau
12/01/13	4	Updated page templates and made pages redirect correctly.	Elliot DeMatteis
12/02/13	2	Fixes, made mobile version work slightly better, moved stylesheets out of the html	Dillon Beliveau
12/03/13	0.25	Fixed several 500 errors.	Dillon Beliveau
12/03/13	0.25	A few redirect issues fixed.	Elliot DeMatteis
12/04/13	0.25	A few last minute fixes.	Dillon Beliveau
12/08/13-5/5/14		Please view commit history on GitHub.	Dillon Beliveau Elliot DeMatteis Will Barnwell

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Software Requirements Specifications

Introduction

Purpose

The purpose of this document is to describe the requirement specification for the Schedule Comparison Tool website.

The audience of this document are the prospective developers of this web application.

The web site to be created is a site designed to allow users to share and compare their schedules for a variety of events, activities, or anything that requires groups of people to be mindful of where others will be and when. The end goal being that the web site is versatile and can function on laptops, desktops, and mobile platforms effectively.

Scope

Centered around basic schedule management and navigation.

Definitions, acronyms, and abbreviations

HTML – Hypertext markup language – used to define your content.

CSS – Cascading Style Sheets – used to define the look of a web site.

W3 Validation – refers to both HTML and CSS validation tool provided by the W3c.org. the HTML validator is located at:

<http://validator.w3.org/>

with the CSS validator located at:

<http://jigsaw.w3.org/css-validator/>

Python – A powerful dynamic programming language.

Javascript – An object oriented computer programming language commonly used to create interactive effects within web browsers.

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Twitter Bootstrap – Sleek front-end framework for web development.

Django – A high-level Python web framework that allows for rapid development and clean design.

MySQL – The world’s most popular open source database.

MariaDB – An enhanced, drop-in replacement for MySQL.

jQuery – The write less, do more, JavaScript Library.

jQuery UI – A curated set of user interface interactions, effects, widgets and themes built on top of the jQuery JavaScript Library.

Overview

The rest of this document contains an overall description of the Schedule Comparison Tool.

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Overall Description

The site will allow for users to register an account, create any number of schedules, and share those schedules with others. Schedules can be compared and certain times can be highlighted based on whether you are trying to see when everyone is free (when nothing is scheduled) or when everyone is doing a certain activity, for example: who is working on a certain day. Schedules can be created as far in advance as the users want.

Users will be able to share multiple schedules with their friends, and compare their daily schedules with those of their friends.

Specific requirements

1. *Html Validation* – All pages will pass W3C HTML validation for HTML 5.
2. *CSS Validation* – All pages will pass W3C 3.0 CSS validation.
3. *Meta Information* – All pages will contain a proper title tag, Meta tags (author, character set and description).
4. *CSS* – all pages will have a linked style sheet.
5. *Browser compatibility* – The site will be tested with multiple browsers, including but not limited to Firefox 25, Internet Explorer 10, Safari 5.1.7, Chrome 30.0.1599.101
6. The site will be powered by Python, Django, HTML 5, CSS 3 and Twitter Bootstrap. jQuery will be used to enhance certain pages.

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Story Board

