SD203 Web Application Design Document Template

Project Name

The title of your project or name of your web app goes here.

Overview

Describe the purpose of your web app. What problem is it solving? What do users do on the web app? Is your web app for business, entertainment, social media, etc?

Your application should have at least 6 separate HTML pages, use HTML, CSS3, Bootstrap, Javascript, MSSQL with at least 5 tables , C# and ASP.NET.

Tech Stack

What software and hardware is the web app created on. List all of the software used in creating the site here, such as version of SQL, programming languages, web frameworks, operating systems, etc..

Hosting

If you plan on hosting your site, the hosting information would go here. For example Go Daddy accounts or Digital Ocean server information. SSL certificate information can also go here.

Functionality / Features

Here you will list each feature of your app one by one. For example, if you are creating a blogging site, some of the features might be the ability to create a blog post, ability to comment on another user's blog post, ability to delete a blog post. Searching the site for a specific post could be a feature. Your site should showcase at least 5 features. Don't go overboard here! You want to build each feature you plan for here!

Your app should allow the users to Create, Read, Update, and Delete data.
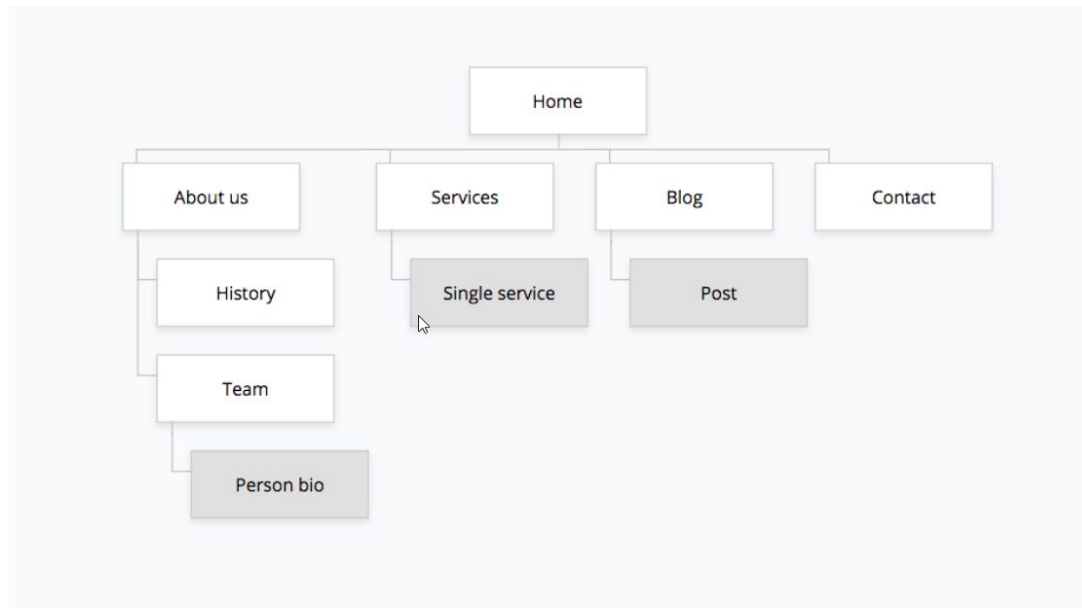
Security & User Roles

Think about who will be using your web app. For example, your web app might support Admin users and basic users. An Admin user might be able to see the information about all users of the website, while basic users can only view and edit their own accounts. Maybe you have a premium user account that has access to extra site features that standard users don't have.

Your site should have a minimum of 2 roles. Your web app must have a login feature.

Site Layout / Site Map

Here you will layout the page structure of your web app. An example is a site layout is below.

An example of a basic sitemap

Page Templates

Here you will list the different page templates your site will need. You'll need a different page template for pages that have different HTML structures. For example, your login page might be one template. Another could be a detailed view of some page content, and another template might be a page that displays a listing of content.

Browser and Device Support

List the browsers and devices your web app will support. A requirement of your project is that your site support responsive web design and perform well on a mobile device.

Database Design

Here you will list out all of the database tables that will be used in your site. You will include the field names used in the table and their data types, primary keys and foreign keys. Think about what kind of data needs to be stored in the database. Create a database diagram (entity relationship model) that clearly shows how your database is connected. Your database should have at least 5 tables.

Deadlines

Your project is due by the end of the course. We've structured the course to keep you on task for each area of the web design. If you feel that you are falling behind, get help from your instructor so that you stay on track.