Web Application Development and Web Design – IMM (Individual Project – 30%)

# Spark

Your final personal project for the fall term of IMM is a showcase of the accumulated group of tools and skills you have acquired over the past term.

Your notepad full of semi coherent – jolt out of bed - 3 am ideas can’t get you very far. This assignment is meant for you to take one of those great ideas, research it, create a wireframe, and begin to realize it.

You are free to choose your own topic. It can be a friend’s company website, an application that solves an existing problem, a competitor to existing applications etc. It must be **significantly different** from your previous IMM projects.

**It MUST NOT be a personal portfolio.**

Create a brief 3-5 paragraph proposal that explains how Web Technologies will work in your proposed project. For the proposal, do not limit yourself to what you understand. Let your creativity run wild.

The instructor will be looking for a demonstration of skills learned in class as well as thought and care in the development of the site.

Having problems coming up with an idea? See your instructor.

# Overall Requirements

Your assignment must be hand-coded/designed (no libraries, templates or CMS systems may be used for this assignment)

You must incorporate all major subjects of study this term (CSS, HTML, PHP/MySQL, JavaScript)

Major concepts included (but not limited to): File and folder organization, HTML structure and metadata, Usage of appropriate elements, attributes and content, Forms, Connecting CSS to HTML, Proper usage of selectors, CSS basics, positioning and fonts, Demonstration of box model, Responsive design, CSS Layout, Advanced CSS

JavaScript and PHP programming, DOM manipulation, events and interaction, database interaction and session management.

Please ensure that design elements, content and bugs are addressed. This counts toward your Application progress mark.

# Delivery dates

## Due Week 7 Tuesday at 9am

* Proposal

## Due on Week 10 Tuesday at 9am

* Wireframes and Design

## Due on Final Week Wednesday at 11:30pm

* Fully functioning Application

# Grading Web Design

HTML – 10 points

CSS – 10 points

Coding style, standards and organization – 5 points

Application progress (The application needs to be 100% ready for its users). – 5 points

# Grading Web Development

JavaScript – 10 points

PHP with Database Interaction and session management – 10points

Coding style, standards and organization – 5 points

Application progress (The application needs to be 100% ready for its users). – 5 points