

# Web tech coursework 2 report

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## Abstract

Internet and World Wide Web has been an emerging way that has been used by the people in recent times. It has been observed that people are moving adopting new ways for the use of internet and websites in order to increase their search and make proper use of the internet for solving their problems in their life either professional or personal problems. Many people take keen interest in blogging which has been increase in tremendous numbers in recent years. Blogs and Weblogs can be defined as the way of personal, in order to manage the website easily with the help of content that is available in reverse sequential order. Blogging has taken the high place in current times and it helps the people to keep updated of the solutions as well as new trends in the world regarding fashion, software, health and science and many more. Social media has boosted the bloggers to provide their way in writing different blogs on current issues or their day to day experience of things and situations. Blogs are now paid and it has been observed that web developers are being paid more for making the blog platform that can be helpful for the customers and other people to share their details and have a private access of their blogging account. Different technologies and programming languages have been used in order to make a proper design and fully implemented blog that can be used by the people. This paper will evaluate the designing and implementation of Blogging platform as well as it provides an insight of using different web tools that can be helpful in making a better blogs that have been used by the people in current decades and demonstrate appropriate methods of web technology that has been used in Blogging Platform.

**Keywords** – Weblogs, Blogging, Java script, HTML, CSS, Blog, platform

## 1 Introduction

The goal of this coursework was to implement a simple blog platform with client and server side elements. Therefore there must be a registration and log in features, that are put in separate pages. Also there is main page, which presents the registration and log in options. The blogs itself uses post components to display content of the blog post. The design is chosen at the registration stage. Later on post can be added, deleted or edited by the user.

## 2 Software design

The first thing that I did was researching the existing blogging platforms to understand what will be needed for to be done. The [Wix.com](https://www.wix.com) and [WordPress.com](https://www.wordpress.com) appeared like the best developed examples at the moment. Both of them offer website building for blogs and other types of websites. At first I was planning to to develop a platform with all the extra features, for example, commenting, connection with other social media sites, enabling user to have multiple blogs and adjustable designs, but the time limit lead to more realistic goals. As a result I have decided to start with the main page, which would have option to register and log in into the platform. Registration page would take in basic user information, like user name, password, blog title and some info about it, as well as the basic design for the blog. After registration and/or logging in, the user would be able to add a new post, view, delete or edit existing ones. To do that a separate page would be necessary. Posts must have a title and some text content and could have an images. Each blog must have a title. There could be a navigation bar or a menu to navigate between the posts.

## 3 Software implementation

### 3.1 Frameworks and other tools

As used in the labs, I used "Express" framework and "Node.JS" to help with the development. But instead of using "Pug", I have decided to look for newer UI framework and come across "[Vuetify](https://vuetifyjs.com/en/)". It has a lot of easy to incorporate code with examples. To install vuetify go to their [getting started page](https://vuetifyjs.com/en/#getting-started).

### 3.2 Implementation

At the beginning I started by doing some back-end, some simple get and post calls to see if I can manage information. It was done with the help of "Express". Secondly, I tried to put together a simple blog design, so I would have something to work with after. Post components were created and used to represent a blog post.

After, I started with the main, registration and log in pages. While doing that "Vuetify" proved to be a great framework to work with, because they had plenty of code snippets, that could be reused, for example, carousel, card or form elements like below.

The next step was to connect register and log in pages to back end. Afterwards, using one of the templates found in



Figure 1: First blog design

Figure 2: Form element

vueifyjs.com, I started a new blog design. It took quite a while to make the elements to create, delete post components and make them editable.

## 4 Evaluation

### 4.1 Critical evaluation

I believe the platform followed the main requirements set in the descriptor: it has both server and client side elements, client can create, edit and delete posts and there is password protection for the user and its blog. However, this platform is far away from being a finished product that outside users could deploy. Comparing to the other available platforms, this one lacks option to modify the blog design, which is one of the more important features for anyone looking to start a blog. Wix.com for instance has a considerable amount of free and paid templates, that you can choose from, which can be modified easily. The other thing most of the platforms have is a choice to scale

the website to mobile view. Additionally, all the other platforms had embedded social plugins for Facebook, Instagram and other social media. In my opinion, that is another fundamental aspect for a customer nowadays. All of these things and more could have been included into my project given more time. Furthermore, I could have made it possible for user's website to have more than one page or some kind of organizational system for the posts. Comments or a rating system could have been added as well to make the blog more interactive.

### 4.2 Personal evaluation

The most important thing I will take from this coursework is to start the work early to grasp the difficulty and time needed to do it. The hardest and most time consuming part was learning to work with new frameworks and incorporating all the knowledge together to make the platform work. I have learned much more about back end programming and that there are a great number of tools, which if learned can make programming much smoother and easier.