

# *American International University-Bangladesh*

# An assignment on

***“Web Development Tools”***

**\*\*\*Submitted To\*\*\***

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##### Course: Web Development Technologies

Section: A

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***Web Development Tools***

**Sketch**

Great websites are more than just code, as they embody great design elements, including logos and images. Sketch endeavors to handle the design elements, and bills itself as a “design toolkit.” It has features including the ability to add simple animations and creation of clickable prototypes. It also lets the user create a master symbol, that can then be used anywhere in the document, and be resized as needed- such as for an icon or an avatar. Furthermore, text and images can be manipulated into dynamic designs.

**InVision Cloud**

With the list of top technology companies that use InVision Cloud including the likes of Amazon, SoundCloud, Evernote and Netflix, it clearly validates the method of using a digital product design platform.

This approach includes a number of traditional design elements and processes, and takes them into the virtual age, with tools including an Element Library, a photography board, navigation flows, a web prototype for desktop sites, and the requisite in design, inspiration board. Their Prototype tool will be of interest to web developers as it can make a prototype website with clickable elements for desktop or mobile use.

**Sublime Text 3**

Sublime Text 3 is a popular code editor that is a useful tool for web design, and is available as a small download for Windows, Mac and Linux. Useful features include the GoTo Anything command for finding a piece of code, the Multiple Selections command that can make changes to recurring sections of code, and Split Editing that can maximize the display of code across a widescreen monitor, or even multiple monitors.

Sublime Text is free to download and evaluate, and then is available to purchase for $80 (£61). This is the price for the individual license which is not time limited, and then allows the us

**Foundation 6**

As a general principle, it is often easier to design something once the basics have been laid down. Foundation 6 takes this approach, offering “a family of responsive front-end frameworks,” that can be applied for website design and emails, and each are customizable to get just the right look. From the list of sites that use it, there are some serious heavyweights including Disney, HP and Adobe.

They offer a series of HTML templates, each optimized for a specific application, such as a blog, or a real estate website. Then, this can be built upon, with ‘Building Blocks’ that get added to the website, including a full screen hero page, a subscription form, a star rating block, and rounded social buttons - the choices are quite expansive and really include just about anything you would see on a web page. A series of webinars, called Foundation Classes is offered to teach new users how to use all of it.

**Chrome DevTools**

Chrome continues to be a popular choice for web surfers, and it includes Developer Tools right in the browser, and they are ready for your web development needs. The tools included are for debugging JavaScript, applying styles to HTML elements, messages to indicate how a page is running, and optimization for website speed. There is no charge to use these tools, and there is support available via an active DevTools community.

**Fiddler Web Debugger**

Fiddler is an Internet Explorer extension that analyzes and profiles a Web page’s HTTP traffic. If you’ve ever wanted to know exactly what happens when a client requests a Web page, Fiddler is the tool that’ll help you do the job. The HTTP Statistics view exposes all components and files required to generate a particular page, giving you details such as the total number of HTTP requests, total page weight, HTTP response headers and cache expiration.

Fiddler permits you to set up breakpoints, allowing you to step through and edit HTTP traffic (to see how it would affect your Web page), a useful feature for analyzing AJAX-based interaction and potential security flaws in a Web application. Perhaps what makes Fiddler so powerful is its extensibility, allowing you to create your own scripts (or import other developers’ scripts) to perform certain tasks or make interface modifications to the extension itself.

**Grunt**

Grunt is a popular task runner on NodeJS. It is flexible and widely adopted. It is preferred tool when it comes to task automation. It offers lots of bundled plugins for common tasks.

It makes the workflow as easy as writing a setup file. It allows automating repetitive tasks with minimum effort. It has a straightforward approach. It includes tasks in JS and config in JSON. Grunt includes built-in tasks for extending the functionality of plugins and scripts. It speeds up the development process and increase the performance of projects. The ecosystem of Grunt is huge; so it is possible to automate anything with very less effort. This web development tool reduces the chance of getting errors while performing repetitive tasks

CodeKit

Codekit is a front-end web development tool. This tool provides support to build websites faster. It combines, minifies and syntax-checks JavaScript. It also optimizes images.

CSS changes are injected without need of reloading the entire page. Combine scripts to reduce HTTP requests. Minify code to reduce file sizes. Works automatically with most languages without trouble

### WebStorm

WebStorm brings smart coding assistance for JavaScript. It provides advanced coding assistance for Angular, React.js, Vue.js and Meteo. It also helps developers to code more efficiently when working with large projects

WebStorm helps developers to code more efficiently when working with large projects. It provides built-in tools for debugging, testing and tracing client-side and Node.js applications. It integrates with popular command line tools for web development. Spy-js built-in tool allows tracing JavaScript code. It provides a unified UI for working with many popular Version Control System. It is extremely customizable to perfectly suite various coding style. It offers built-in debugger for client-side code and Node.js apps