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I confirm that I understand my coursework needs to be submitted online via Google classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submission will be treated as non-submission and a marks of zero will be awarded.

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Introduction

This is the third coursework which was appointed to us from the module "Introduction to Information System". The coding is done by utilizing the text editor called notepad++. The primary nature of this coursework is to make a portfolio website with at least 5 pages web pages including CV, blogs, form and research where different three technologies are to be used namely HTML5, CSS3 and JavaScript respectively. Moreover, the main objective of this coursework is to pass a explicit supportive information to the explicit client with the goal that the persuser discovers some new information or comprehends a theme better.

Basically, this coursework includes 5 web pages such as Home, CV, Blog, Form and Research. While building these different webpages HTML5, CSS3 and JavaScript along with their different attributes were used in a respective order. In general, to give an instance title which defines a title for the document and meta which gives the data (information) about the data which are implemented with proper tag nesting. Similar, <h1> and <p> which defines heading and paragraphs are also cast-off in this webpage. Image The source file (src), alternative text (alt), and six (width and height) are used genuinely. Tables were used to arrange data like text, image, links and other tables, etc into rows and columns of cells and html division (div) was used to define a section. Additionally, CSS5 were also used to build the web page which allows us to apply consistent styling of elements across all pages on our site, so that the all headings, lists, and paragraphs look and act the same on every page of a site. Correspondingly, Inline, external and internal CSS types were used to style a particular HTML elements and documents and to create a new CSS file with the text editor and to add the style rules as an external CSS. JavaScript where both internal and external JavaScript were used where Internal JavaScript is placed in the head and body section of an HTML page however external JavaScript were stored in separate external file using the .js extention. In the HTML file, the <script> tag was used to indicate the location of a JavaScript File. The src attribute was assigned the path and file name of the file. In the same way, wireframe was also used to represents the skeletan framework of the respective website visually by utilizing the tool balsamiq wireframes.

Notepad++

The selected text editor for this coursework is Notepad++ which is a free (as in “free speech” and also as in “free beer”) source code editor and Notepad replacement that supports several languages. Running in the MS Windows environment, its use is governed by GNU (General Public License). Based on the powerful editing component Scintilla, Notepad++ is written in C++ and uses pure Win32 API and STL which ensures a higher execution speed and smaller program size. (Anon., n.d.).

Notepad++ is a source code editor which features syntax highlighting, code folding and limited auto completion for programming, scripting, and mark languages, but not intelligent code completion or syntax checking. Notepad++ has features for consuming and creating cross-platform plain text files.

Notepad++ also has features that improve plain text editing experience in general, such as:

- Autosave
 - Finding and replacing strings of text with regular expressions
 - Guided indentation
 - Line bookmarking
 - Macros
 - Simultaneous editing
 - Split screen editing and synchronized scrolling
 - Line operation, including sorting, case conversion(Uppercase, lowercase, camel case, sentence case), and removal of redundant whitespace
 - Tabbed document interface
- (Anon., 2021)

Wireframes

Wireframes are rudimentary sketches that show an illustration of an electronic interface. This interface is what controls how the user interacts with a software program or electronic system, like a website. If we are designing a webpage, the interface is how users interact with software. In the case of a webpage, the interface is what a user sees. Wireframes are basic sketches or designs that skip colors, fonts, sizing, and graphics to focus on functionality, space, content and interplay. Wireframes have items that represent placeholders for logos, images, text, navigation and menu bars, buttons, and headers. When designing wireframes, we go through iterations, where we repeat the design of a wireframe until the result is our desired outcome. (Loy, n.d.)

The tool used while developing wireframe in this coursework is Balsamiq wireframes which is a rapid low-fidelity UI wireframing tool that reproduces the experience of sketching on a notepad with the help of computer. This tool really forces us to focus on structure and content, avoiding lengthy discussions about colors and details that should come later in the process. (Anon., n.d.)

Name of page

Home page

A home page is a webpage that fills in as the beginning stage of website. Also, it is the page typically experienced first on a site that typically contains connections to different pages of the webpage.

So, in this page the navigation bar is created using the table tag and formatted by using CSS. With the help of header tag `<h1>` the topic is displayed. Similarly, use of `<p>` has been done to display some information about the website and `` tag has been used to insert images which is then aligned by using table tag. At last `</p>` tag was used to keep copy right.

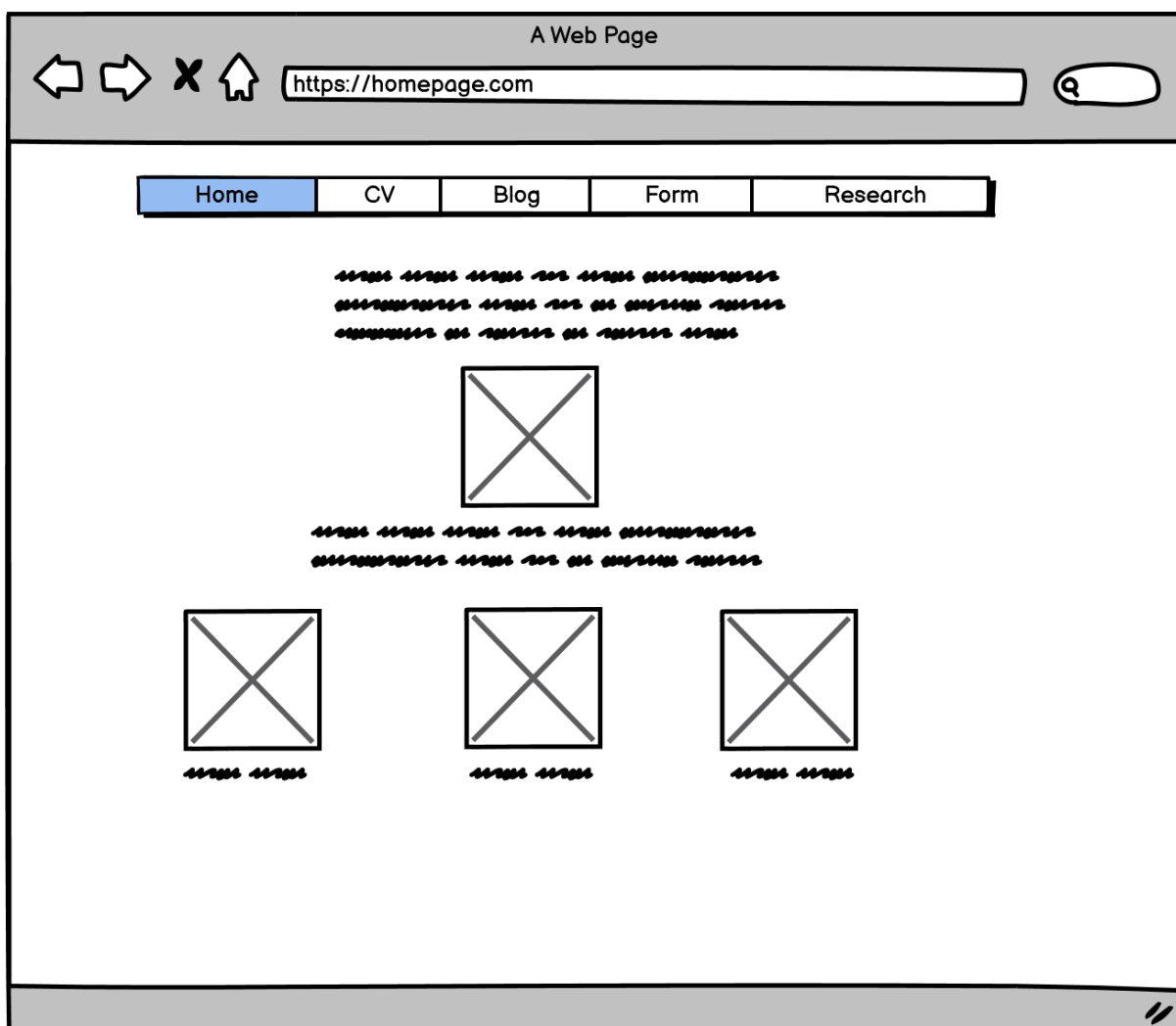


Figure 1: Wireframe of Home page

Home	CV	Blog	Form	Research
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This website holds four pages CV, Blog, Form and Research exceptionally

Where Work Happens

"I believe in innovation and that the way you get innovation is you fund research and you learn the basic facts". -Bill Gates



Lets Make Something Good Together.You are unique.So are we.

CV



Blog



Research



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Figure 2: Screenshot of Homepage

CV

CV (Curriculum Vitae) is a brief account of a person's name and contact information, education, experience and skills, typically sent with a job application.

Generally, navigation bar <nav> was created using a table tag <th> and formatted by using CSS. The header <h1> was used to display the heading of the page and <div> tag was used as a container² which is then styled with CSS where different sort of content was put inside the <div> tag exceptionally. Likewise, the <td> tag was used for the table cells which gives the detail information about the data contain in the website.

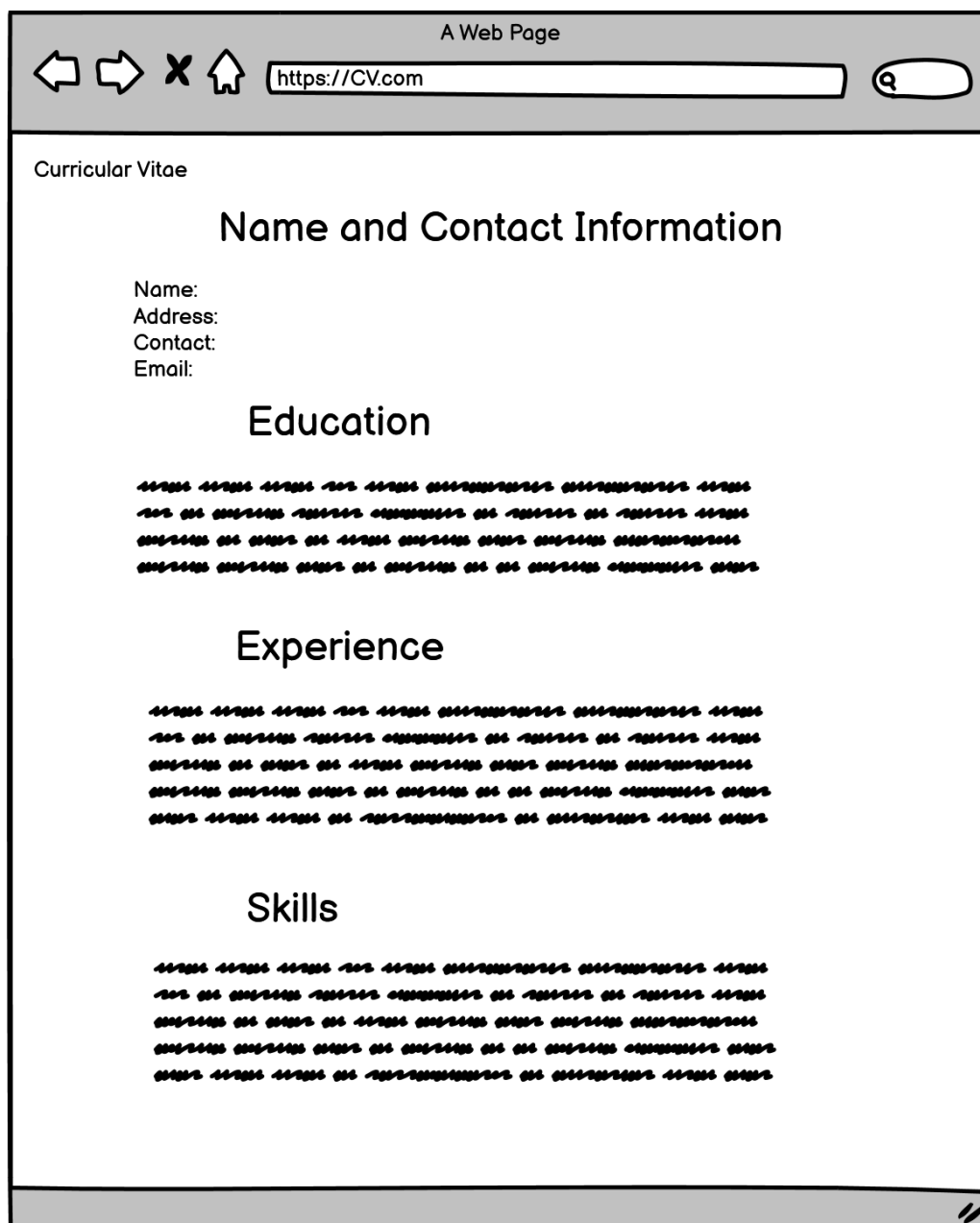
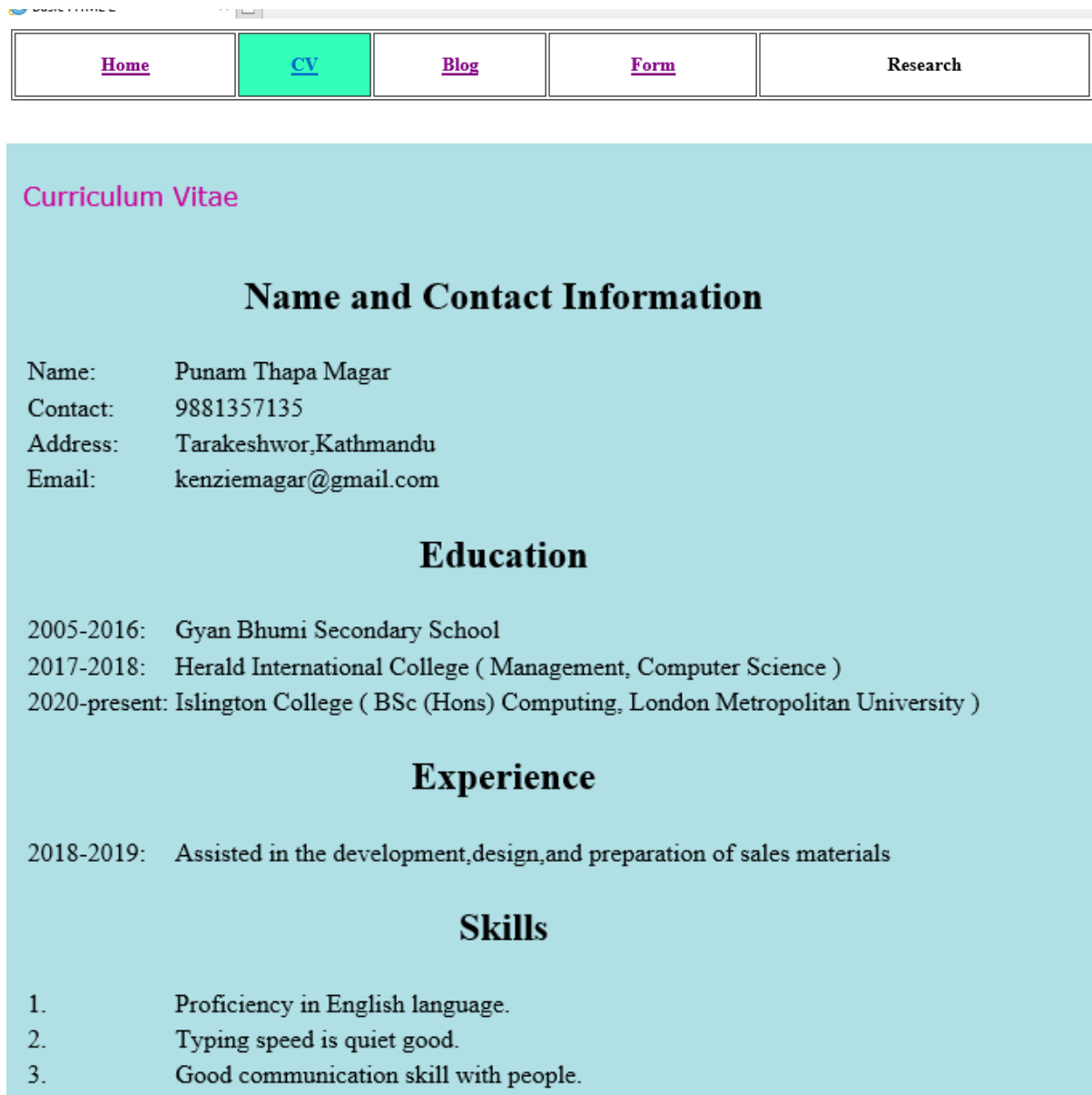


Figure 3: Wireframe of CV (Curriculum Vitae)



[Home](#) [CV](#) [Blog](#) [Form](#) [Research](#)

Curriculum Vitae

Name and Contact Information

Name: Punam Thapa Magar
Contact: 9881357135
Address: Tarakeshwor, Kathmandu
Email: kenziemagar@gmail.com

Education

2005-2016: Gyan Bhumi Secondary School
2017-2018: Herald International College (Management, Computer Science)
2020-present: Islington College (BSc (Hons) Computing, London Metropolitan University)

Experience

2018-2019: Assisted in the development, design, and preparation of sales materials

Skills

1. Proficiency in English language.
2. Typing speed is quite good.
3. Good communication skill with people.

Figure 4: Screenshot of CV

Blog

Blog is simply a consistently refreshed site or webpage, typically one run by an individual or by a small group that is written in casual or conversational style.

Strictly comparable to home page and CV in this website too navigation bar <nav> was created using a table tag <th> and also formatted by utilizing CSS. Similarly, the <div> tag was used to make divisions of the content in the websites like image, text, navigation bar, etc so that the sections can be created and style can be applied to them. With the use of header tags <h1> <h2> <h3> and <h4> the header was displayed and use of <p> tag has been done to display the detail information about the heading. Likewise tag has been used to insert images which is then aligned by using table tag <td>. Lastly <center> tag was used to display the image at the middle of the page.

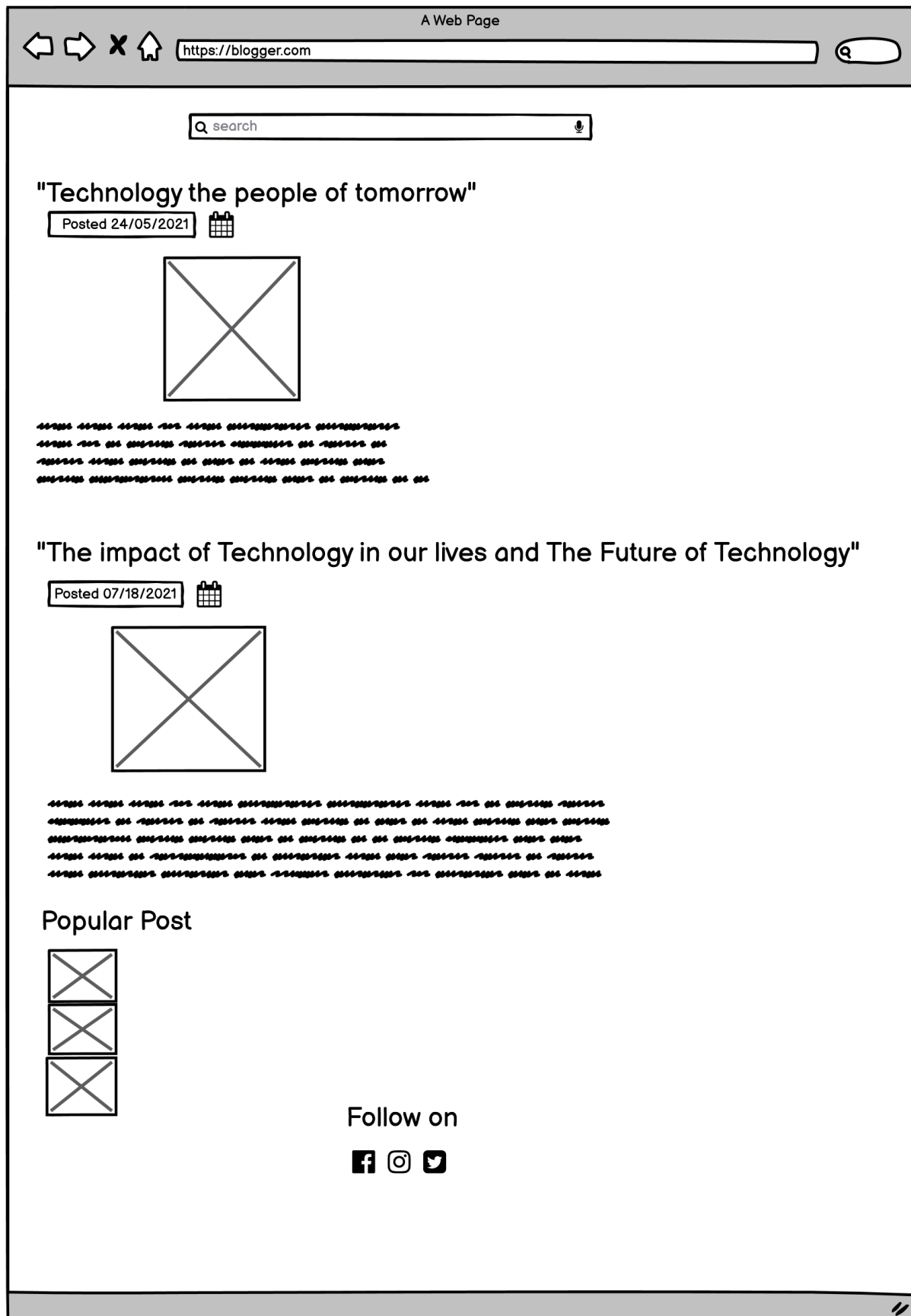


Figure 5: Wireframe of the Blog

Home	CV	Blog	Form	Research
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"Technology the people of tomorrow"

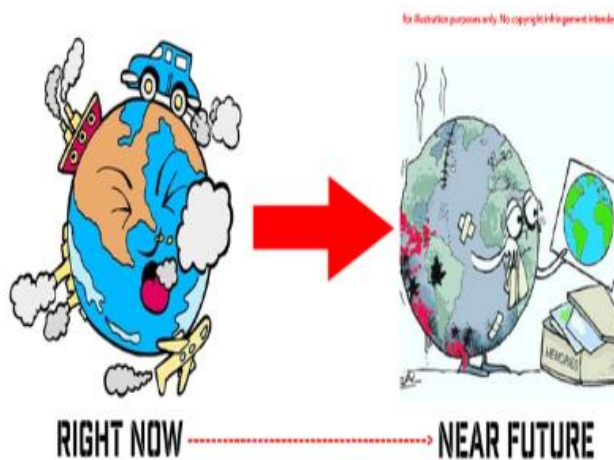
May 24, 2021



Technology which was imagined by man himself has now changed the existence of a man to a limit degree It is included all over the place and in everything of our day by day life. The man was a King when he invented tenchnology however now he has become a captive of technology. We can say that it is changing our lives each second and we have gotten dependent on it.

"The Impact of Technology in our Lives and The Future of Technology"

July 18 , 2021



Popular Post



Figure 6: Screenshot of the Blog

Form

So in this webpage the navigation bar <nav> was created by using table tag <th>. The main form section is created using form tag where on click a send button of the form is validated utilizing the javascript where a pop up box appears with the message according to the conditions.

The image shows a wireframe of a web browser window titled "A Web Page". The address bar displays "https://form.com". The main content area contains a "Feedback Form" with the following fields and labels:

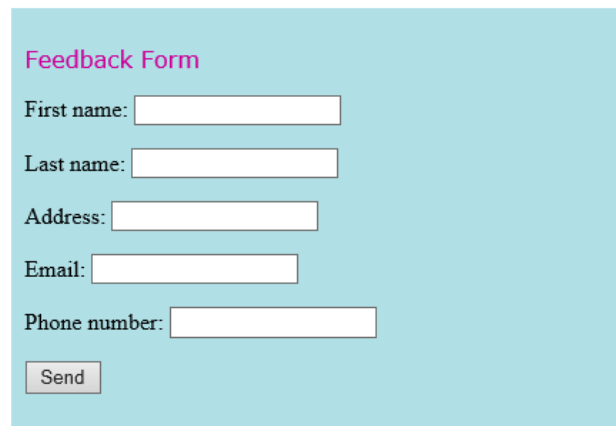
- First Name:
- Last Name:
- Address:
- Phone Number:
- Email:

Below the form fields is a "send" button. The browser window also includes navigation icons (back, forward, stop, home) and a search icon.

Figure 7: Wireframe of Form

Home	CV	Blog	Form	Research
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Form



A screenshot of a web form titled "Feedback Form" in purple text. The form is set against a light blue background. It contains five input fields: "First name:", "Last name:", "Address:", "Email:", and "Phone number:". Each label is followed by a white rectangular input box. At the bottom left of the form is a "Send" button with a light gray background and a thin black border.

Figure 8: Screenshot of Form

Research

So in this webpage the navigation bar <nav> was created by utilizing the table tag <tr> and formatted using CSS. With the help of the header tag (<h1> <h2>) the heading of the content was displayed in a respective order. Similarly, the
 tag was used to produce a line break in text and <center> tag was used to put the heading and written paragraph in center of the page. Likewise, <p> tag was used to designate a paragraph whereas the <a> element was used to indicate the link's destination which is underlined and blue in color.

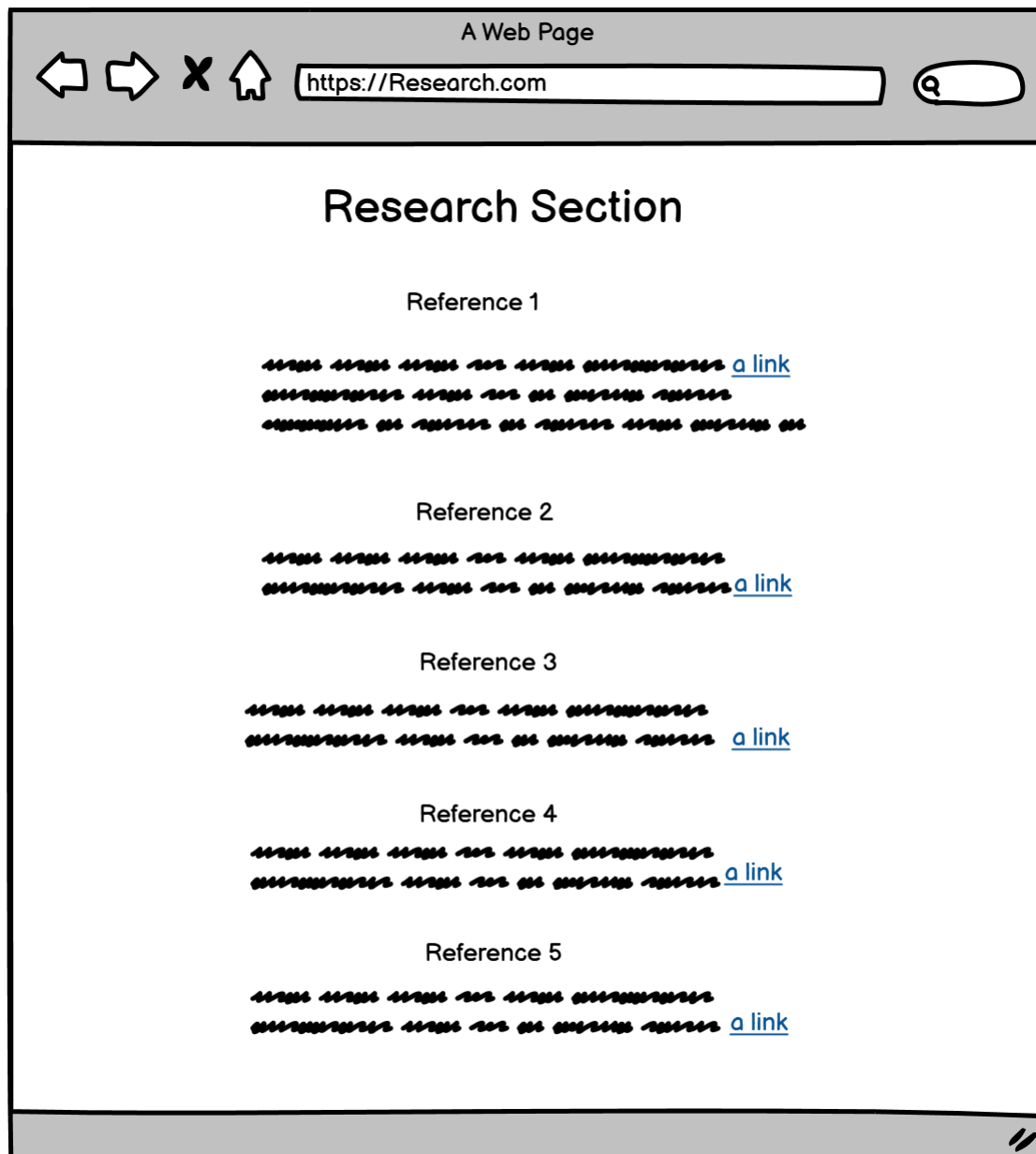


Figure 9: Wireframe of Research

Home	CV	Blog	Form	Research
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Research Section

Reference 1

The first page taken for the reference is [news](#). We can see that both pages has a navigation bar but the difference is that the navigation bar in the reference page is used with the help of an icon where as in this page it is accessible at the top of every page.

Reference 2

The second page taken for the reference is [life on line](#). We can see that both pages has a navigation bar but the difference is that the navigation bar in the reference page is used with the help of an icon where as in this page it is accessible at the top of every page.

Reference 3

The third page taken for the reference is [blog playstation](#). WE can see that the both pages has a navigation bar however the thing that matters is that the navigation bar in the reference page is utilized with the assistance of an icon whereas in this page it is open at the top of each page.

Reference 4

The fourth page taken for the reference is [digital](#). The difference between this page and the reference page is that the navigation bar is used with the help of an icon in this reference page whereas navigation bar is accessible at the top of every page in this respective page.

Reference 5

The [engadget](#) is a reference taken for the fifth page. We can see that the both pages has a navigation bar however the thing that matters is that the navigation bar in the reference page is utilized with the assistance of an icon icon whereas in this page it is open at the top of each page.

Figure 10: Screenshot of Research

Testing

In simple word, testing is a strategy for discovering how well the program functions. In different terms, testing communicates what level of information or skill has been procured. All in all, testing is utilized at significant checkpoints in the general cycle to decide if objectives are being met.

- Test 1: To check the functionality of the link.

Table 1: Test 1

Test No:	1
Objectives:	To check the functionality of the link.
Action:	Click on any link at the navigation bar.
Expected Result:	The clicked link should open another page.
Actual Result:	Another page was opened.
Test:	The test was successful.

- Test 2: To check the functionality of the form

Table 2: Test 2

Test No:	2
Objectives:	To check the functionality of the form.
Action:	Fill details and click on send.
Expected result:	A pop up form displaying a message "Thankyou for the feedback" should appear
Actual result:	A pop up box displaying the message "Thankyou for the feedback" was displayed.
Test:	The test was successful.

- Test 3: To check the validation of the form.

Table 3: Test 3

Test No:	3
Objectives:	To check the validation of the form.
Action:	Leave the form empty and click on send.
Expected result:	A pop up form displaying a message "Empty field" should appear"
Actual result:	A pop up box displaying the message "Empty field" was displayed.
Test:	The test was successful.

- Test 4: To check the functionality of external link.

Table 4: Test 4

Test No:	4
Objectives:	To check the functionality of the external link.
Action:	Click on the reference link.
Expected Result:	The reference link should open.
Actual Result	The reference link was opened.
Test:	The test was successful.

Conclusion

To entire up, this coursework was consigned to us for making a portfolio site with at least 5 website pages which incorporates Homepage, CV, and blogs which clarifies what innovation has meant for individuals lives straightforwardly and in a roundabout way. Similarly, the site incorporate an exploration segment too where 5 distinctive site pages were taken as a source of perspective for our site and examination between those site and our site were made. To fabricate the legitimate site page three particular innovations were utilized, for example, HTML, CSS and JavaScript which was fundamentally done in the notepad++. Codes was all around organized and every one of the components of an essential HTML document, CSS document (internal external and inline CSS) and JavaScript document (internal and external JavaScript) were incorporated too. Along with this, wireframe was used to illustrate the webpages in sketch form.

While doing this coursework I needed to confront the challenges particularly in the coding segment as numerous mistakes occurred, when the written code does not give the expected output, at that moment I was really frustrated and feel like I could not finished the coursework at time. I was likewise somewhat confused in regards to the tags and wireframe. Yet in order to conquer the confusion and troubles, a lot of explores were finished with the respect to the applicable topics. Research was done in regards to HTML, CSS and JavaScript tags and coding from the beginning and it was executed in this coursework which helped a lot to achieve the tasks. Regular interaction with instructors, consistent exertion and a lot of research, going through the lecture slides and videos and surfing in the web assisted with acquiring sound information about different technologies and its purpose. I likewise, became more acquainted with about different attributes and method which are utilized in the webpage, I knew about various terms alongside their capabilities.

Despite the fact that it was challenging and troublesome from the outset, the coursework was finished on schedule and submitted on time as well. I had chance the chance to learn numerous new things and themes which I knew about. It was decent encounter to foster a webpage utilizing Html, css and javascript and it was enjoyable to chip away at this project as well.

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