

# **MINI PROJECT**

**(2020-21)**

## **Wordsmith**

**Project Report**



**Institute of Engineering & Technology**

**Submitted By –**

**Kashish Sharma (191500386)**

**Under the Supervision of**

**Mr. Kunal Goyal**

**Technical Trainer**

**Department of Computer Engineering &  
Applications**



Department of Computer  
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GLA University, 17 km. Stone  
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Chaumuha, Mathura – 281406 U.P  
(India)

## Declaration

I hereby declare that the work which is being presented in the Bachelor of technology. Project “**Wordsmith**”, in partial fulfillment of the requirements for the award of the **Bachelor of Technology** in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my own work carried under the supervision of **Mr. Kunal Goyal, Technical Trainer, Dept. of CEA, GLA University.**

*The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.*

**Sign:** kashishsharma

**Name of Candidate:**Kashish Sharma

**University Roll No.:**191500386



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## Certificate

This is to certify that the project entitled “Wordsmith”, carried out in Mini Project – I Lab, is a bonafide work by Kashish Sharma and is submitted in partial fulfillment of the requirements for the award of the degree Bachelor of Technology (Computer Science & Engineering).

### **Signature of Supervisor:**

**Name of Supervisor:** Mr. Kunal Goyal

**Date:**



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## **ACKNOWLEDGEMENT**

*Presenting the ascribed project paper report in this very simple and official form, I would like to place my deep gratitude to GLA University for providing me the instructor Mr. Kunal Goyal, our technical trainer and supervisor.*

*He has been helping me since Day 1 in this project. He provided me with the basic guidelines explaining on how to work on the project. He has been conducting regular meeting to check the progress of the project and providing me with the resources related to the project. Without his help, I wouldn't have been able to complete this project.*

*So, I would like to thank my dear parents for helping us to grab this opportunity to get trained and my colleagues who helped me find resources during the training.*

**Thanking You**

**Sign:** kashishsharma

**Name of Candidate:** Kashish Sharma

**University Roll No.:**191500386



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## **ABSTRACT**

In this project, a website is created, named Wordsmith. This website will provide writers a platform to write their content more easily. All the users will be having their separate accounts on this website which will be connected to their email id. There are many genres option available from which the user can choose and get the suitable atmosphere. The website will also generate random quotes using API. The app is suitable in the present scenario as the world is being digitalized then why not update the writing field. On the profile of the user, one can easily view how much content of which genre he /she has written. The app will be completely efficient and transparent to the reviews of the people. The website also has a complete User Interface attached to the firebase a perfect login system with email id and password and a forget password too.

Wordsmith website is a unique idea and can change people's life all over the world. It is compatible with mobile devices. Furthermore, designing solutions for the problems that we may face in future is essential. This website can clearly help the interested writers to write any time when they feel like without any barrier of place.



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### **Aim:**

Wordsmith's objective is to provide a platform to all the people who wish to write their content and save it.



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# Application Infrastructure

## HTML

The Hypertext Markup Language, or HTML is the standard [markup language](#) for documents designed to be displayed in a [web browser](#). It can be assisted by technologies such as [Cascading Style Sheets](#) (CSS) and [scripting languages](#) such as [JavaScript](#).

[Web browsers](#) receive HTML documents from a [web server](#) or from local storage and [render](#) the documents into multimedia web pages. HTML describes the structure of a [web page semantically](#) and originally included cues for the appearance of the document.

[HTML elements](#) are the building blocks of HTML pages. With HTML constructs, [images](#) and other objects such as [interactive forms](#) may be embedded into the rendered page. HTML provides a means to create [structured documents](#) by denoting structural [semantics](#) for text such as headings, paragraphs, lists, [links](#), quotes and other items. HTML elements are delineated by tags, written using [angle brackets](#). Tags such as `<img/>` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags but use them to interpret the content of the page.

HTML can embed programs written in a [scripting language](#) such as [JavaScript](#), which affects the behaviour and content of web pages.



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## CSS

Cascading Style Sheets (CSS) is a [style sheet language](#) used for describing the [presentation](#) of a document written in a [markup language](#) such as [HTML](#). CSS is a cornerstone technology of the [World Wide Web](#), alongside HTML and [JavaScript](#).

CSS is designed to enable the separation of presentation and content, including [layout](#), [colors](#), and [fonts](#). This separation can improve content [accessibility](#), provide more flexibility and control in the specification of presentation characteristics, enable multiple [web pages](#) to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be [cached](#) to improve the page load speed between the pages that share the file and its formatting.

Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser or [screen reader](#)), and on [Braille-based](#) tactile devices. CSS also has rules for alternate formatting if the content is accessed on a [mobile device](#).<sup>[4]</sup>

The name cascading comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.



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## JavaScript

JavaScript often abbreviated as JS, is a [programming language](#) that conforms to the [ECMAScript](#) specification.<sup>[11]</sup> JavaScript is [high-level](#), often [just-in-time compiled](#) and [multi-paradigm](#). It has [dynamic typing](#), [prototype-based object-orientation](#) and [first-class functions](#).

Alongside [HTML](#) and [CSS](#), JavaScript is one of the core technologies of the [World Wide Web](#). Over 97% of [websites](#) use it [client-side](#) for [web page](#) behaviour, often incorporating third-party [libraries](#).<sup>[14]</sup> All major [web browsers](#) have a dedicated [JavaScript engine](#) to execute the code on the [user](#)'s device.

As a multi-paradigm language, JavaScript supports [event-driven](#), [functional](#), and [imperative programming styles](#). It has [application programming interfaces](#) (APIs) for working with text, dates, [regular expressions](#), standard [data structures](#), and the [Document Object Model](#) (DOM).

The ECMAScript standard does not include any [input/output](#) (I/O), such as [networking](#), [storage](#), or [graphics](#) facilities. In practice, the web browser or other [runtime system](#) provides JavaScript APIs for I/O.

JavaScript engines were originally used only in web browsers, but they are now core components of some [servers](#) and a variety of [applications](#). The most popular runtime system for this usage is [Node.js](#).



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## **Front-end Development**

We used HTML, CSS, JavaScript and Bootstrap in our website for the front-end development.

## **DEFINITION**

### **1.1 MOTIVATION**

In the recent years, I have realized writing has been so monotonous on notepad and word. So to bring some excitement while writing your content was the whole motivation behind creating this website.

In the century we are living the world is progressing at a great pace, a lot number of technologies come up every single day. To keep up with the technology is also important to survive in this world of digitalization. Along with this we need to have a place to keep the resources for areas of our interest so I thought of developing a website which could provide people with their work at one place. Moreover, this website can be used for people who are busy and had a desire to become writer so they can write whenever they get an idea.



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## **1.2 OBJECTIVE**

The main objective of this website is to create a writing website named “Wordsmith” which can be used to write stories, quotes etc., with satisfying visuals to help writers to be consistent enough to complete their work.



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## **EXISTING SYSTEM**

Wordsmith is a distinct initiative idea as there are not many platforms that are provided to writers to write content. The questions that might arise are how this website is unique from all the other previous websites? There are not much writer specific websites in the market rather there are few apps like Wattpad and YourQuote, etc. So, trying a new way is what makes this site different from others.

For writing writers still use Notepad and Microsoft word so a change in environment would be another different quality from the existing platforms.

Attractive visuals will be another plus point as the existing systems are not.



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## SOURCE

The source of project (including all the project work, documentation) will be available at the following link-

<https://kashishsharma1.github.io/WordSmith/>

## Function:

- User will be able to choose which genre they would like to write.
- User experience nice visuals.
- User can have random quote automatically generated.
- User can easily write content.
- User can save their work.





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# **IDE:**

## **VISUAL STUDIO CODE:**

Visual Studio Code is a free source code editor made by Microsoft for Windows, Linux and macOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, Code refactoring, and Embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality.

Microsoft has released Visual Studio Code's source code on the VS Code repository of Github.com, under the permissive MIT License, while the compiled binaries are freeware.

In the Stack Overflow 2019 Developer Survey, Visual Studio Code was ranked the most popular developer environment tool, with 50.7% of 87,317 respondents reporting that they use it.

Visual Studio Code is a source-code editor that can be used with a variety of programming languages, including Java, JavaScript, Go, Node.js and C++. It is based on the Electron framework, which is used to develop Node.js Web Applications that run on the blink layout system. Visual Studio Code employs the same editor component (codenamed "Monaco") used in Azure Devops (formerly called Visual Studio Online and Visual Studio Team Services).

Instead of a project system, it allows users to open one or more directories, which can then be saved in workspaces for future reuse. This allows it to operate as a language-agnostic code editor for any language. It supports several programming languages and a set of features that differs per language. Unwanted files and folders can be excluded from the project tree via the settings. Many Visual Studio Code features are not exposed through menus or

the user interface but can be accessed via the command palette.

Visual Studio Code can be extended via extensions, available through a central repository. This includes additions to the editor and language support. A notable feature is the ability to create extensions that add support for new languages, themes, and debuggers, perform static code analysis, and add code linters using language server Protocol.

Visual Studio Code includes multiple extensions for FTP, allowing the software to be used as a free alternative for web development. Code can be synced between the editor and the server, without downloading any extra software.

Visual Studio Code allows users to set the code page in which the active document is saved, the newline character, and the programming language of the active document. This allows it to be used on any platform, in any locale, and for any given programming language.



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## **Requirements:**

Following are the hardware and the software requirements for our project:

### **a) Hardware:**

- ✓ Laptop/Desktop
- ✓ 1.8 GHz or faster processor. Quad-core or better recommended
- ✓ 2 GB of RAM
- ✓ Hard disk space: Minimum of 800MB up to 210GB of available space
- ✓ Video card that supports a minimum display resolution of 720p (1280 by 720)

### **b) Software:**

- o Windows 8.1 and above
- o Visual Studio
- o Web Browser

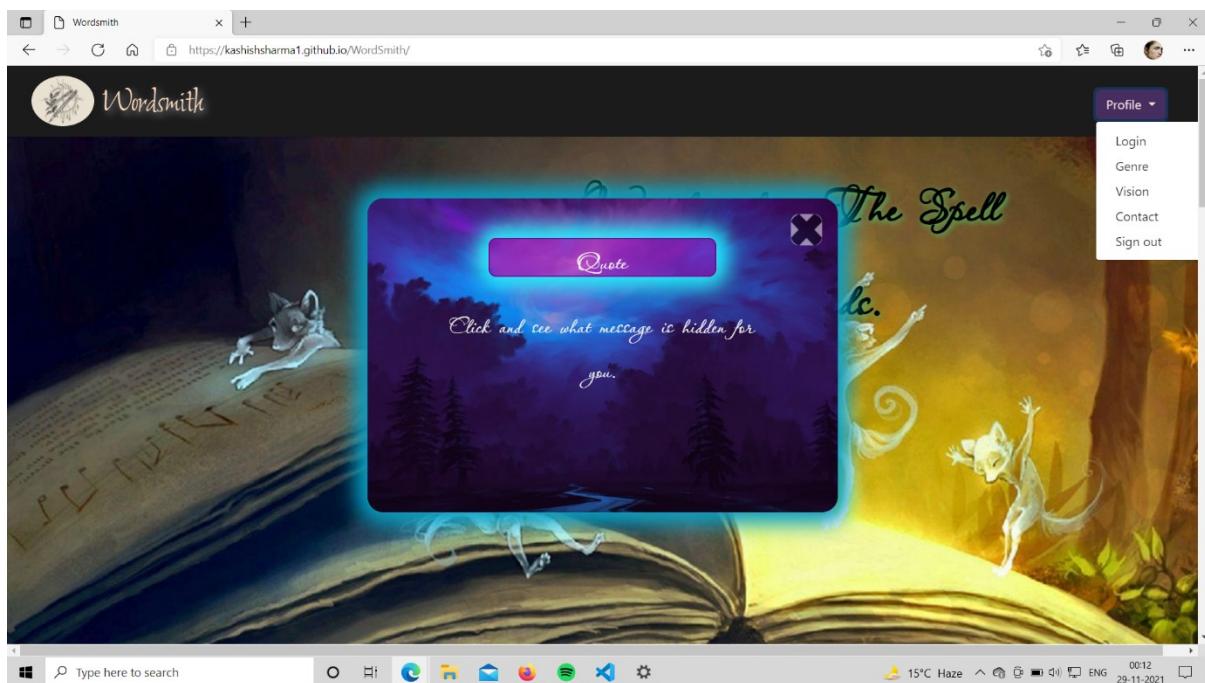
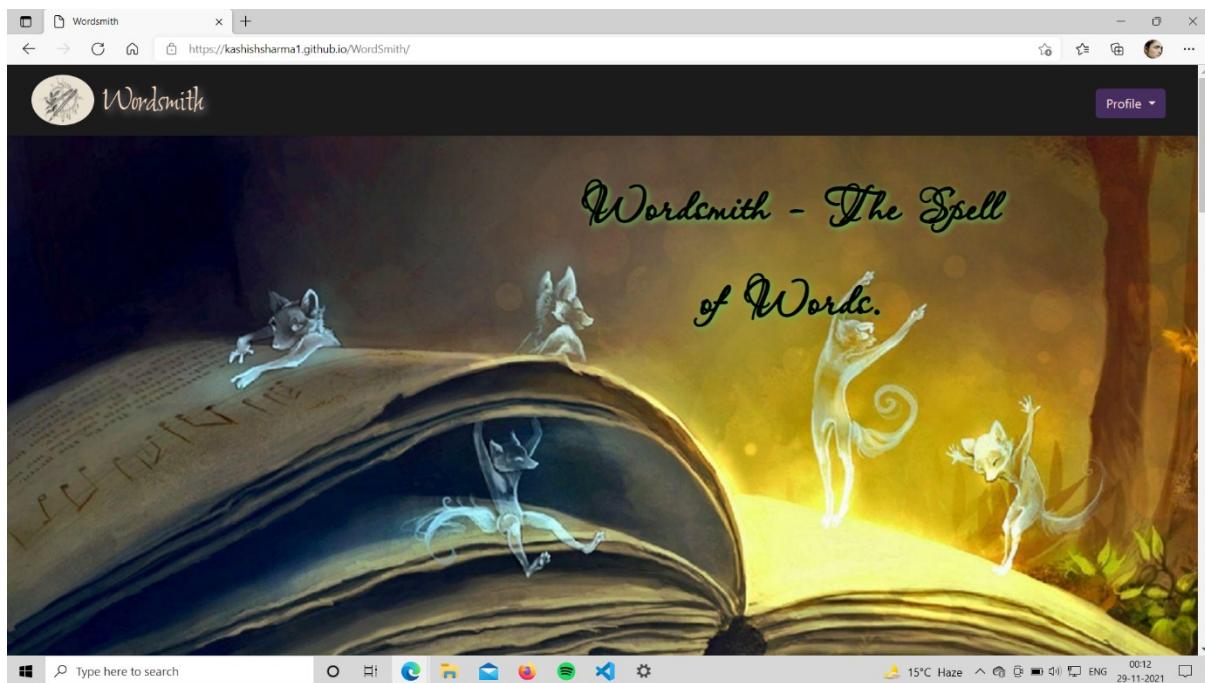


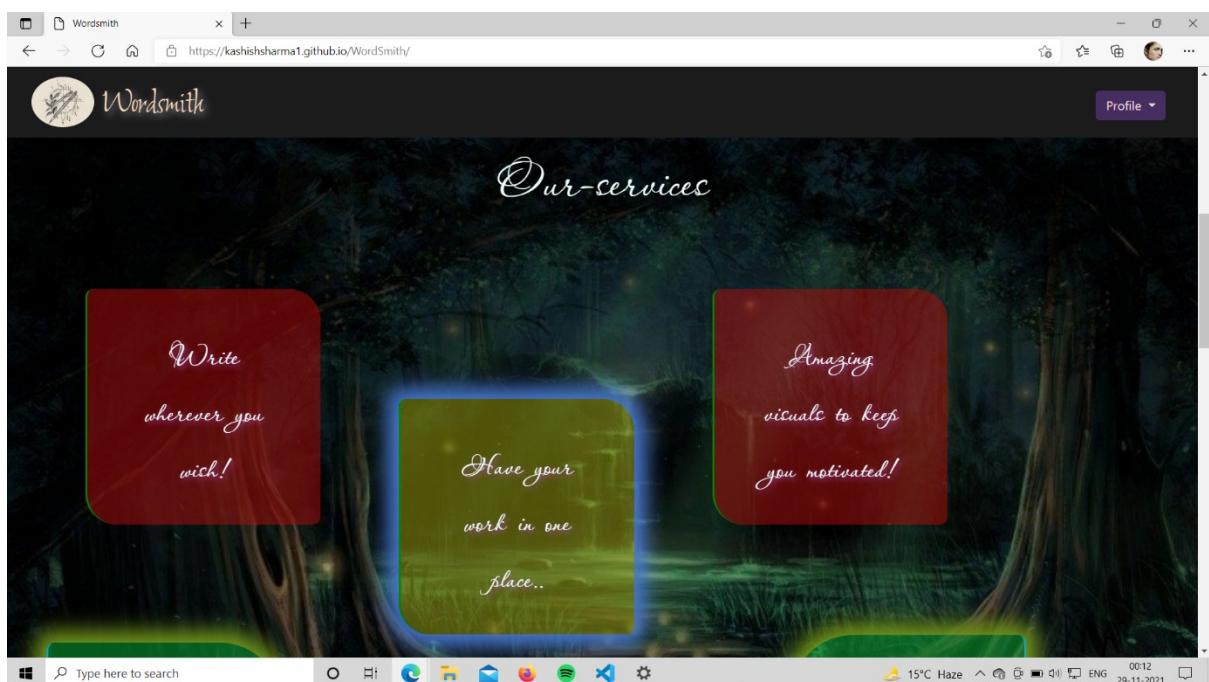
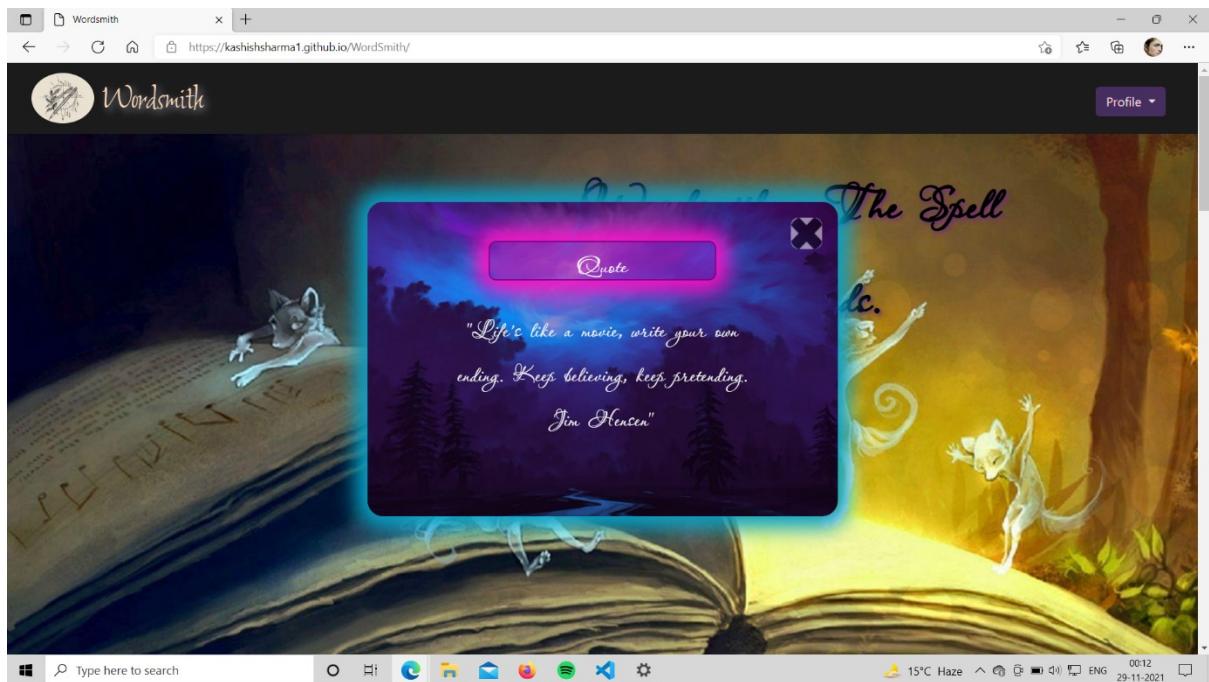
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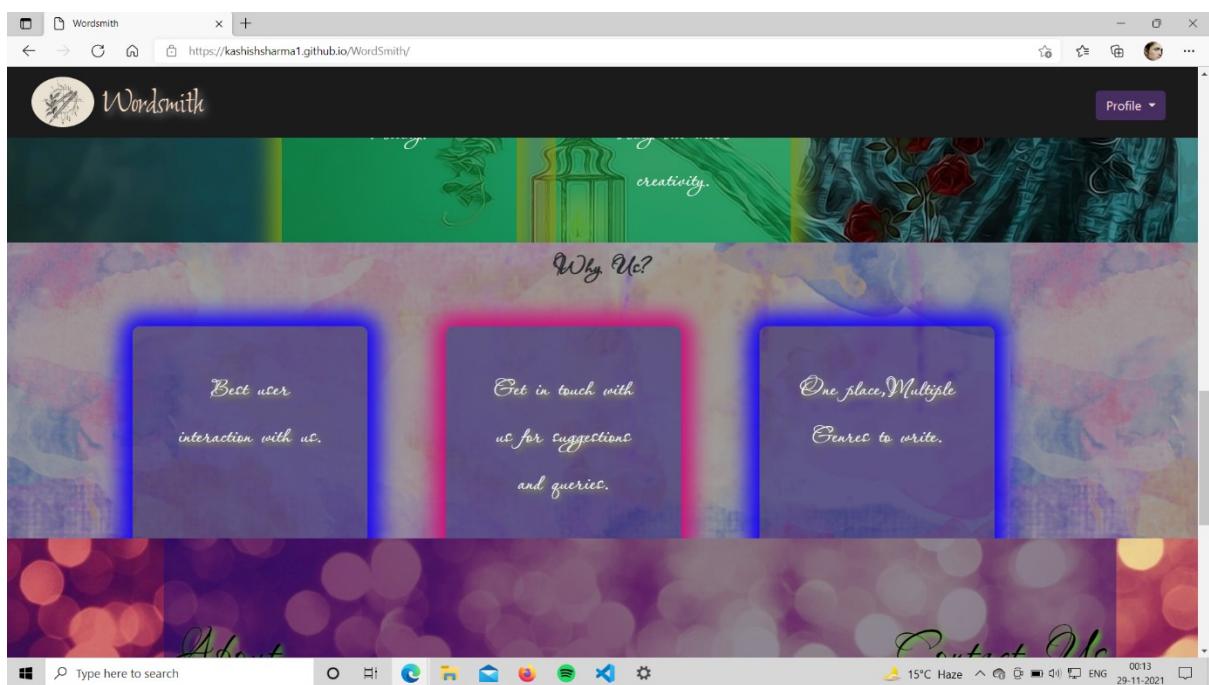
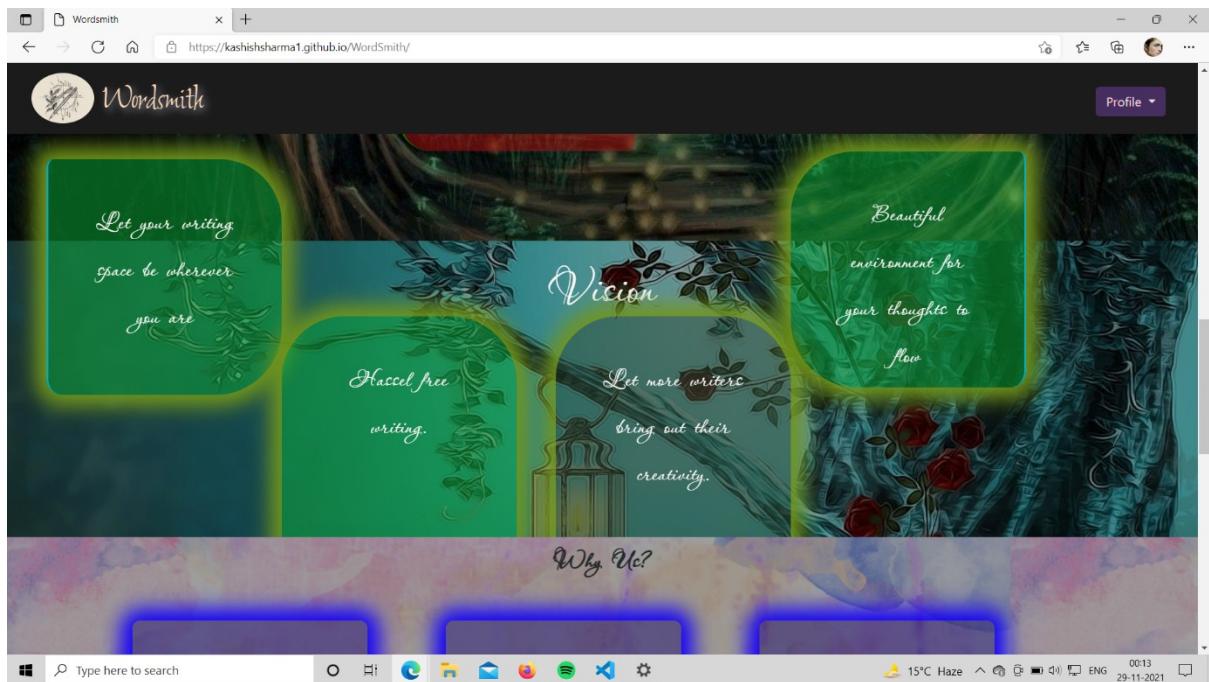
## **Languages used:**

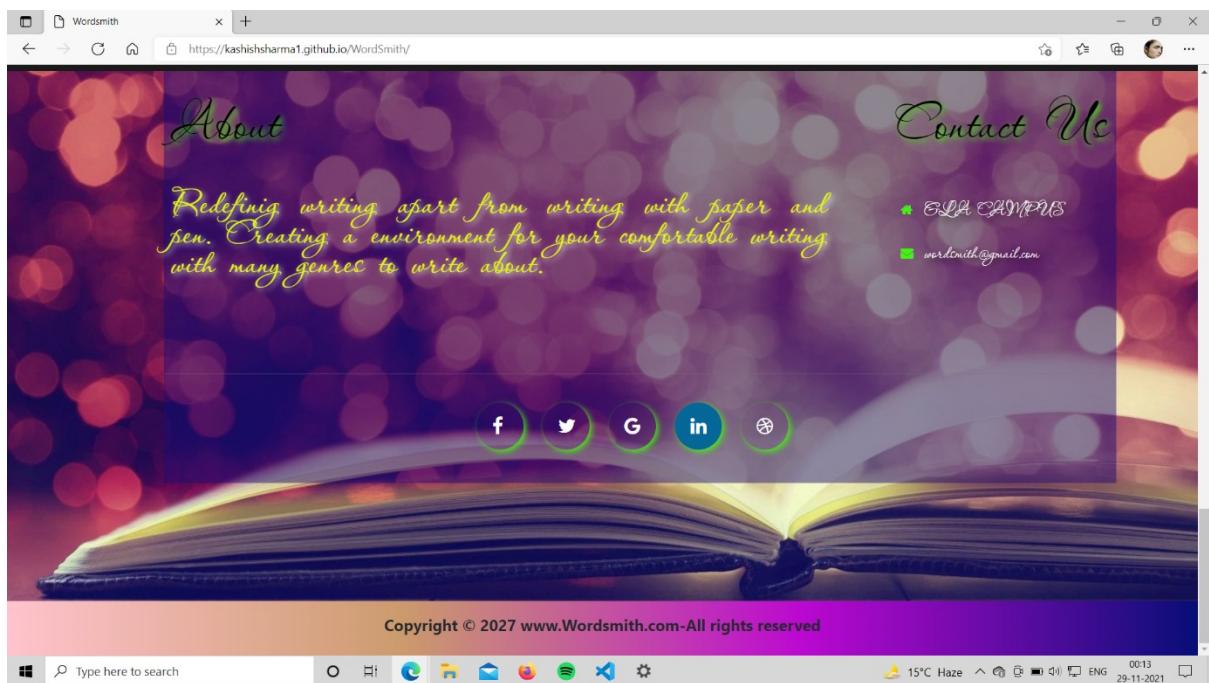
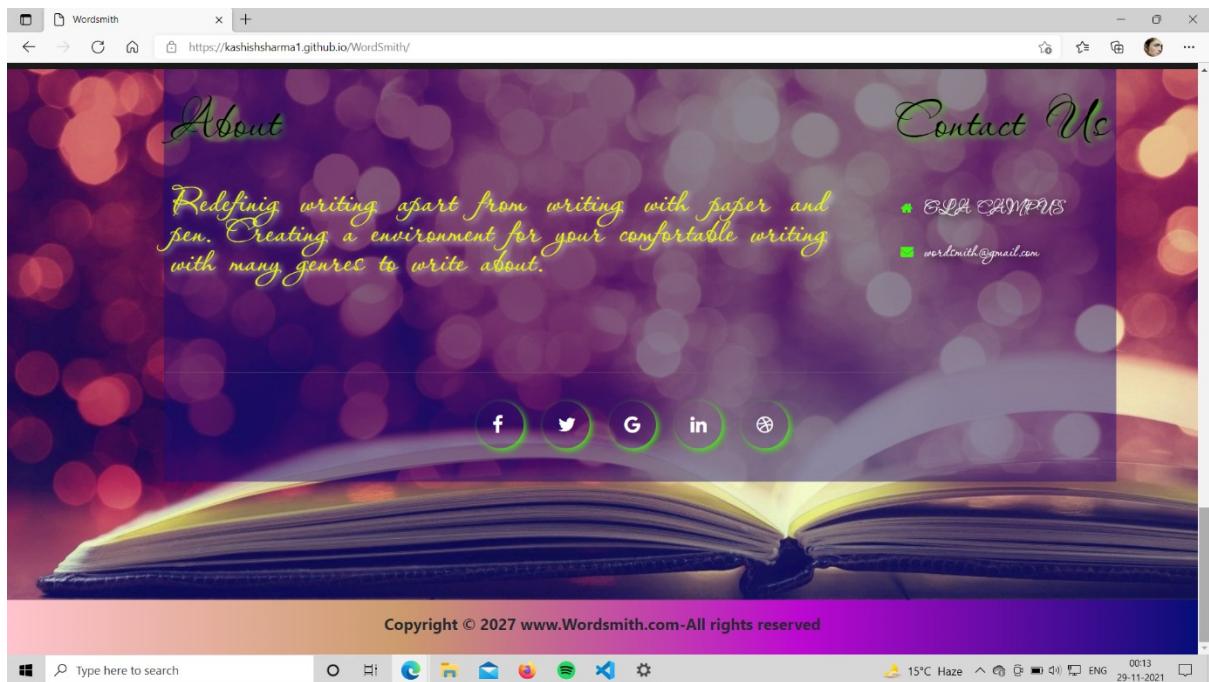
- Java Script
- Html
- CSS
- Bootstrap

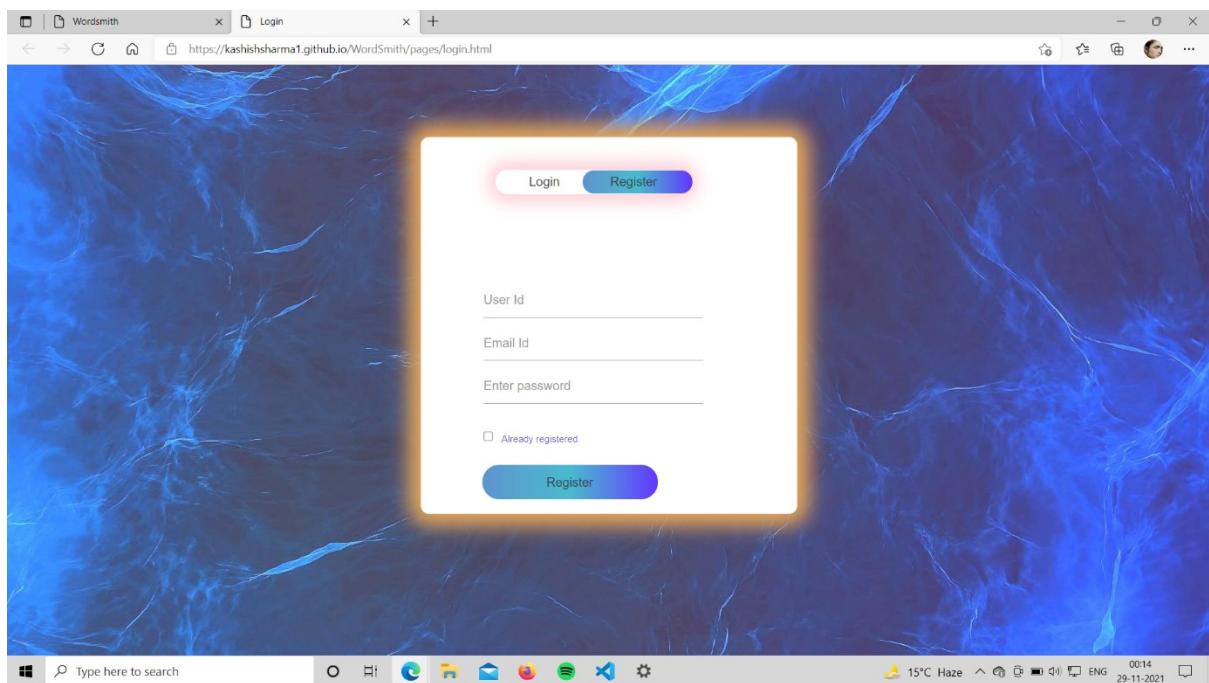
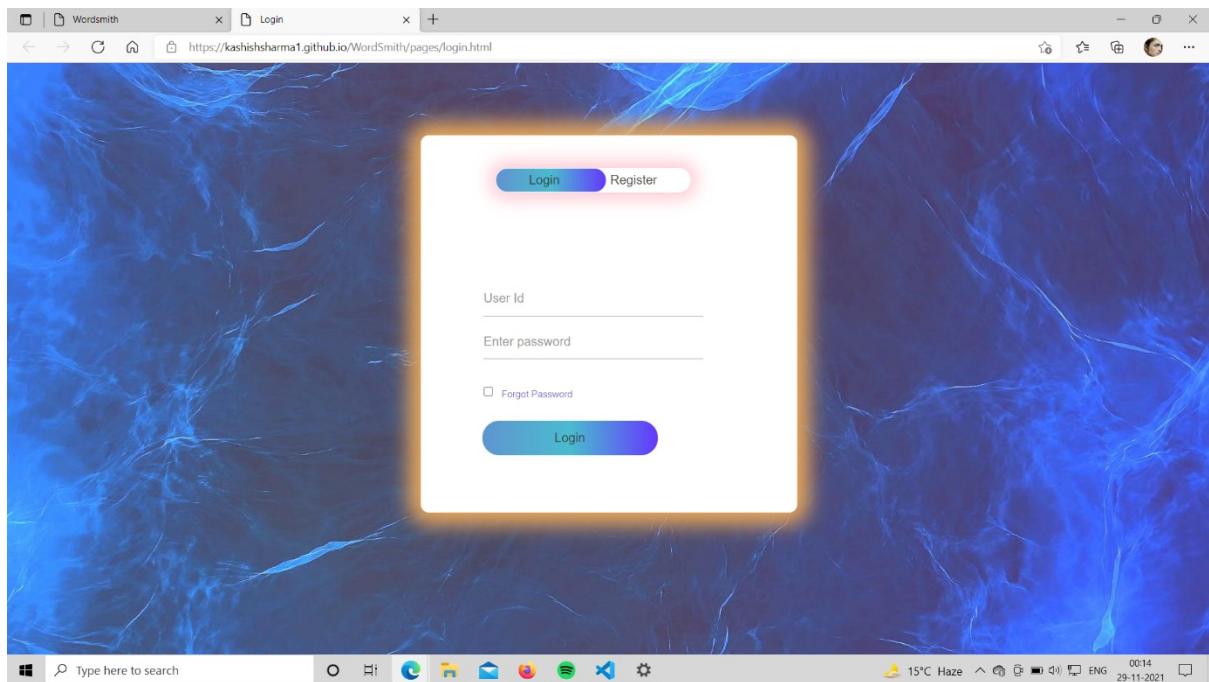
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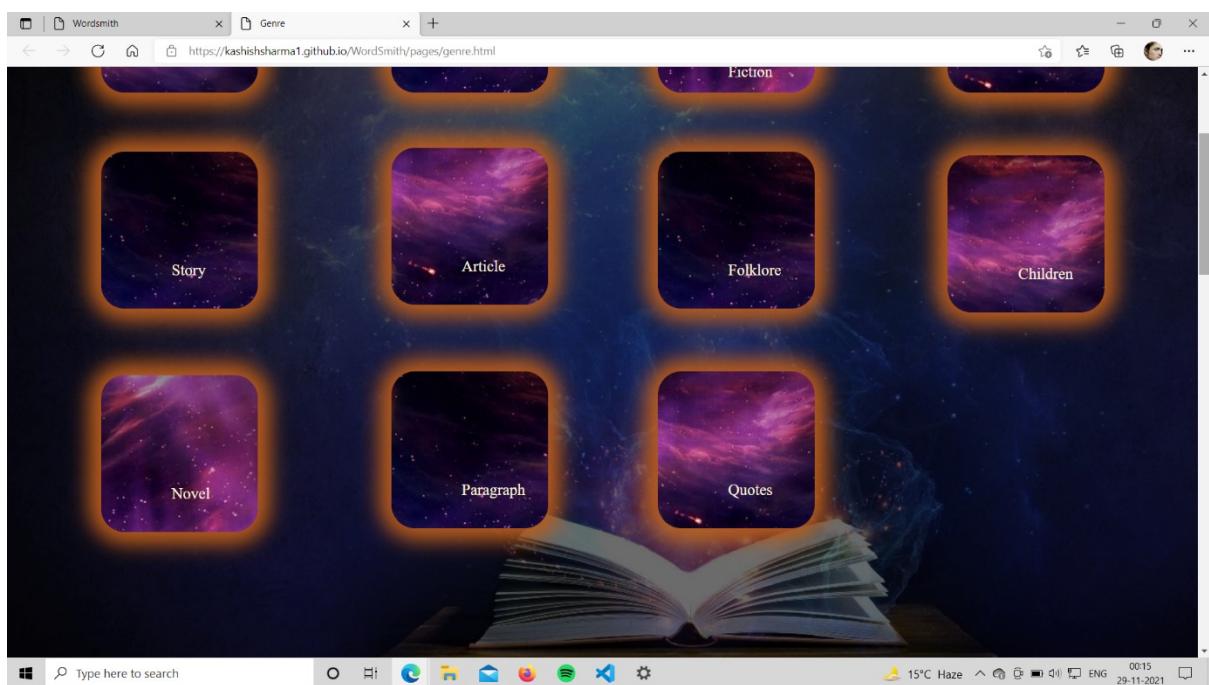
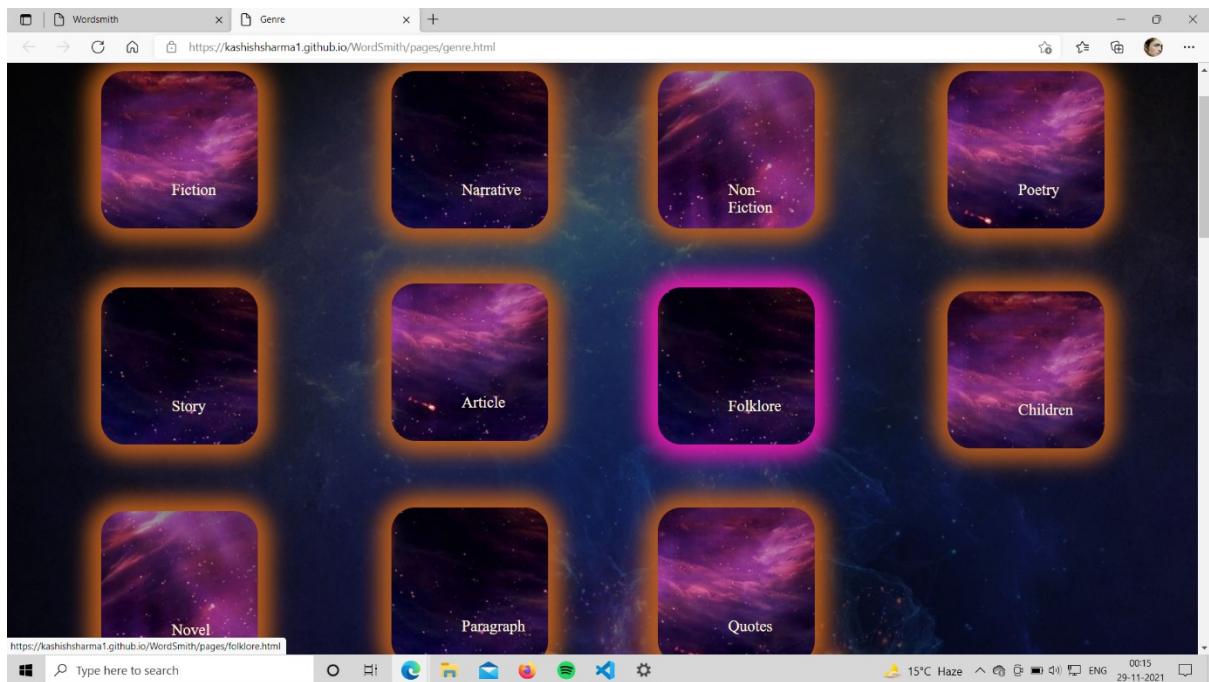


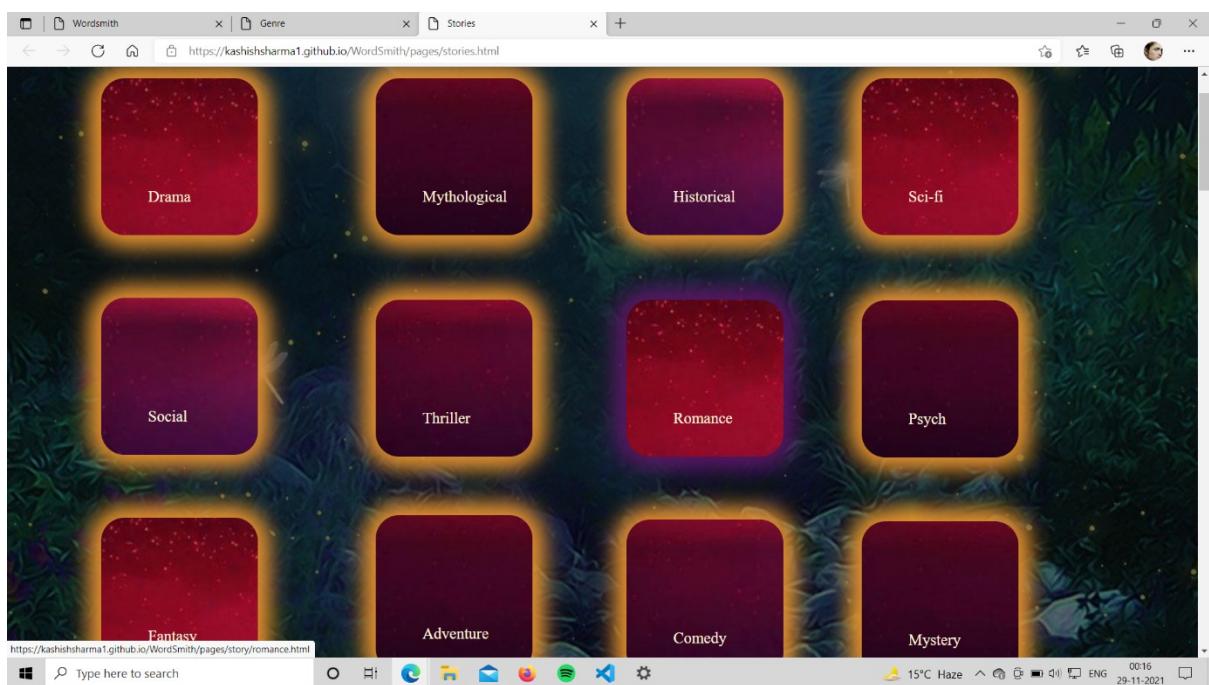
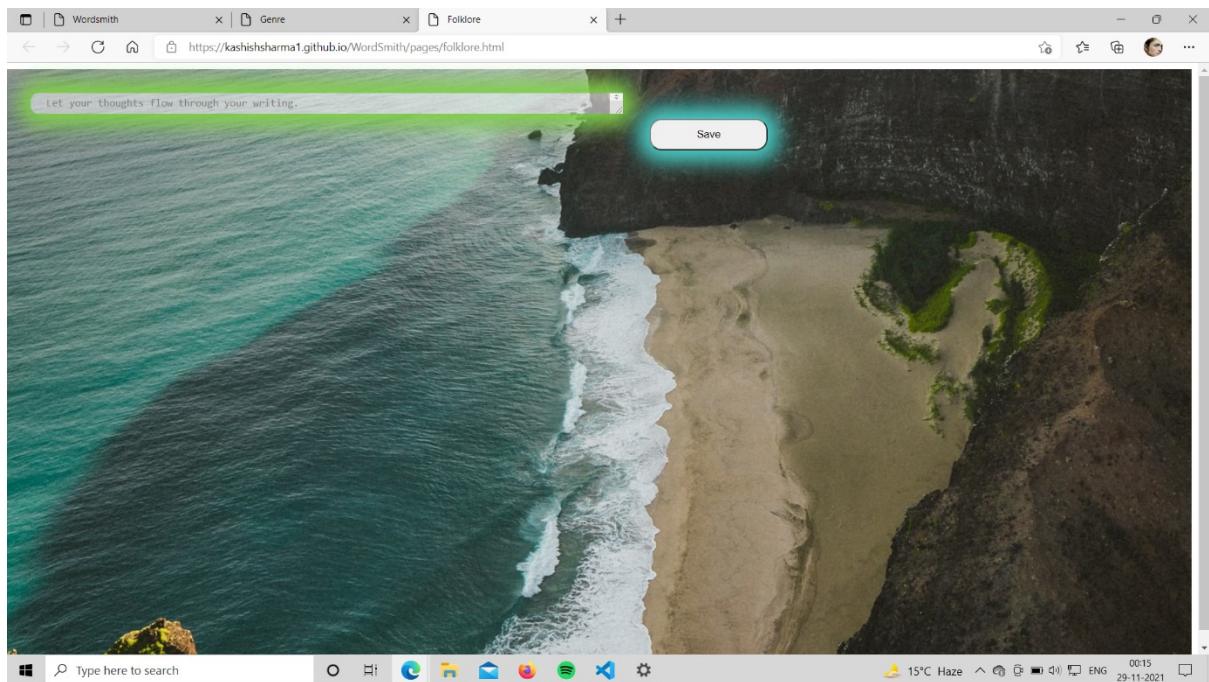


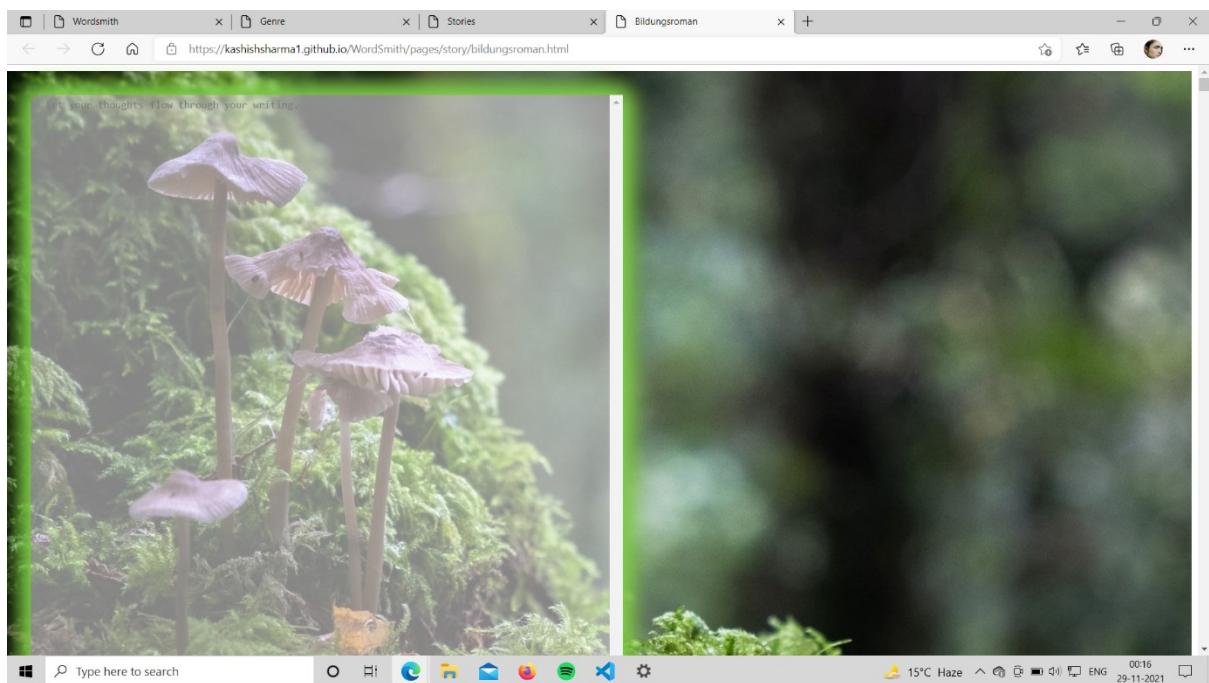
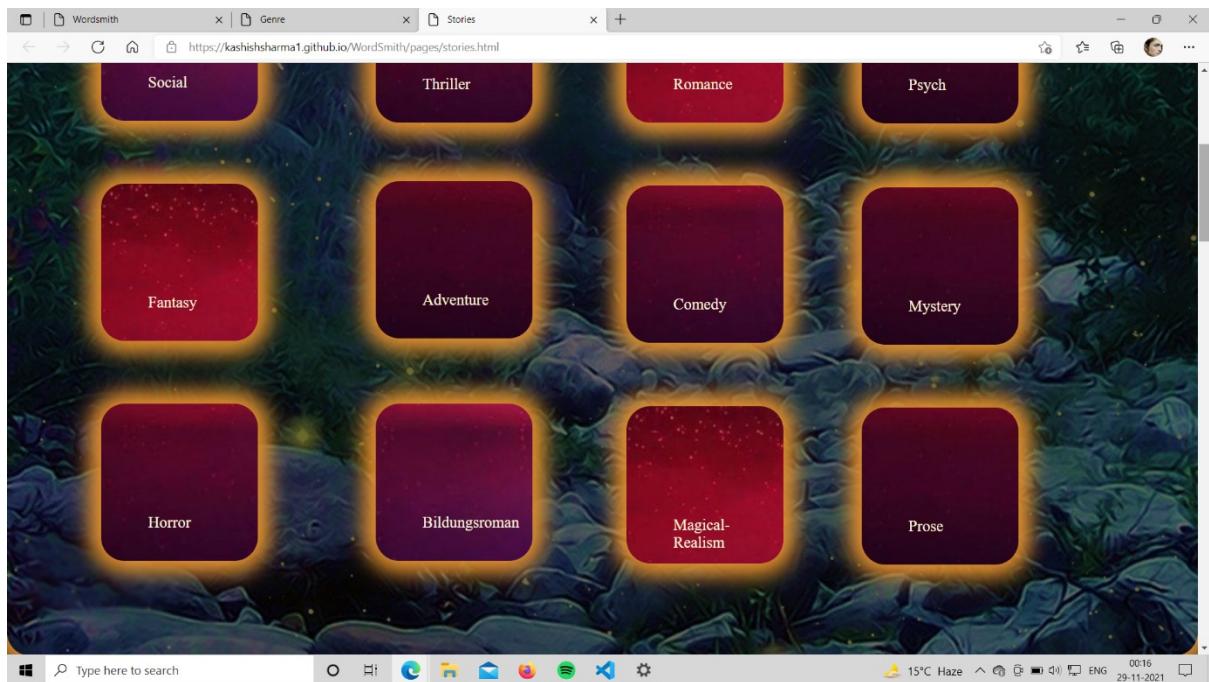


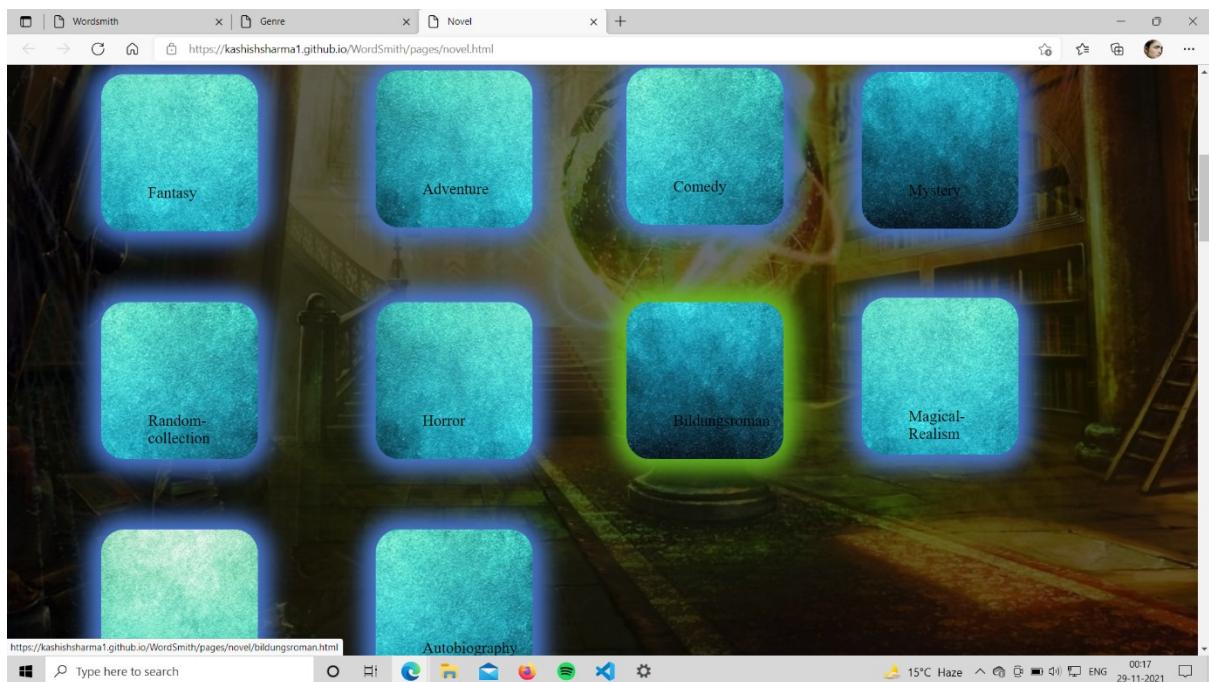
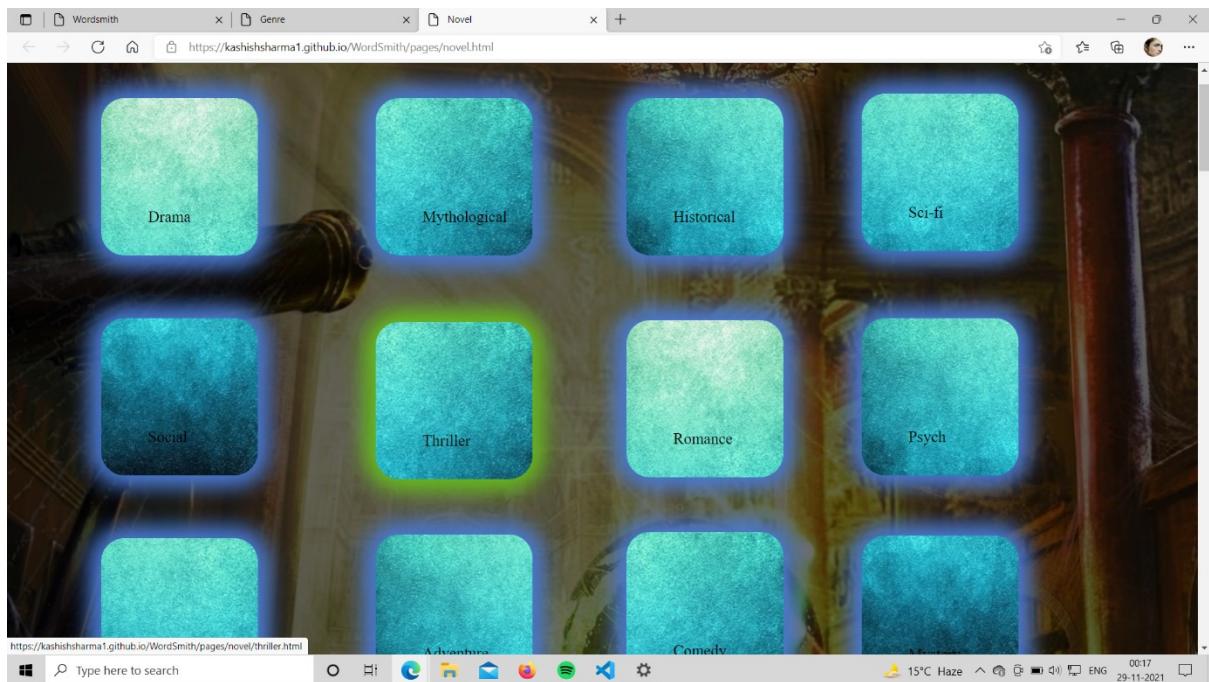


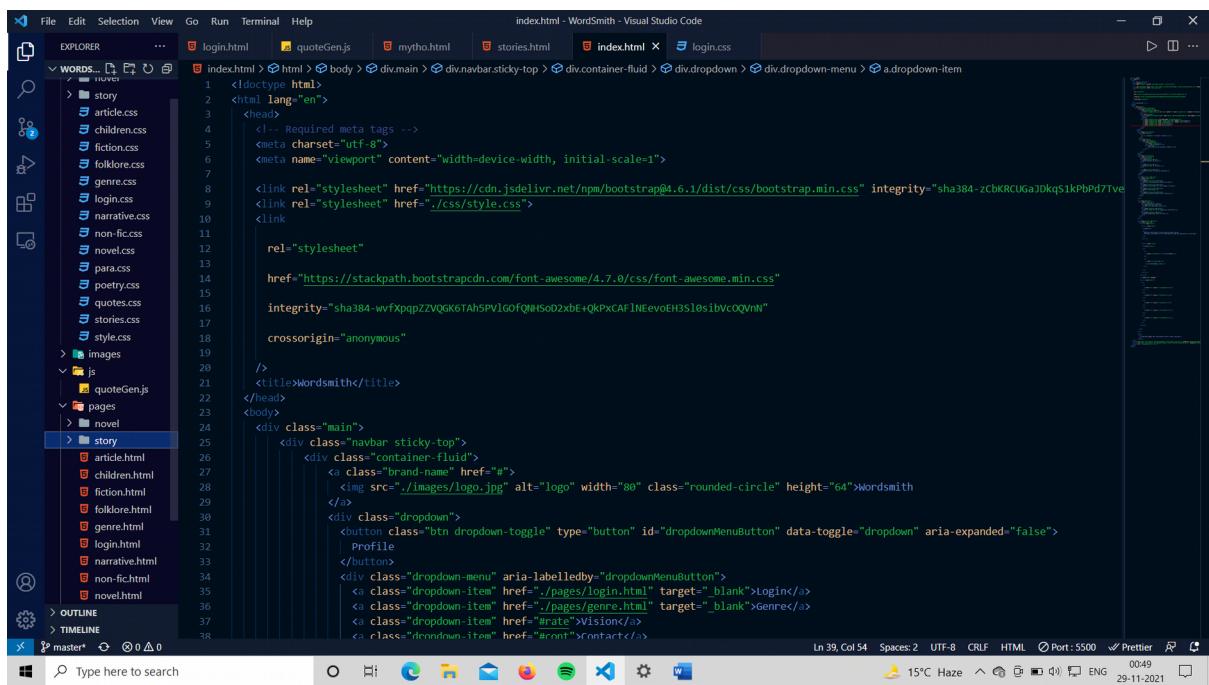
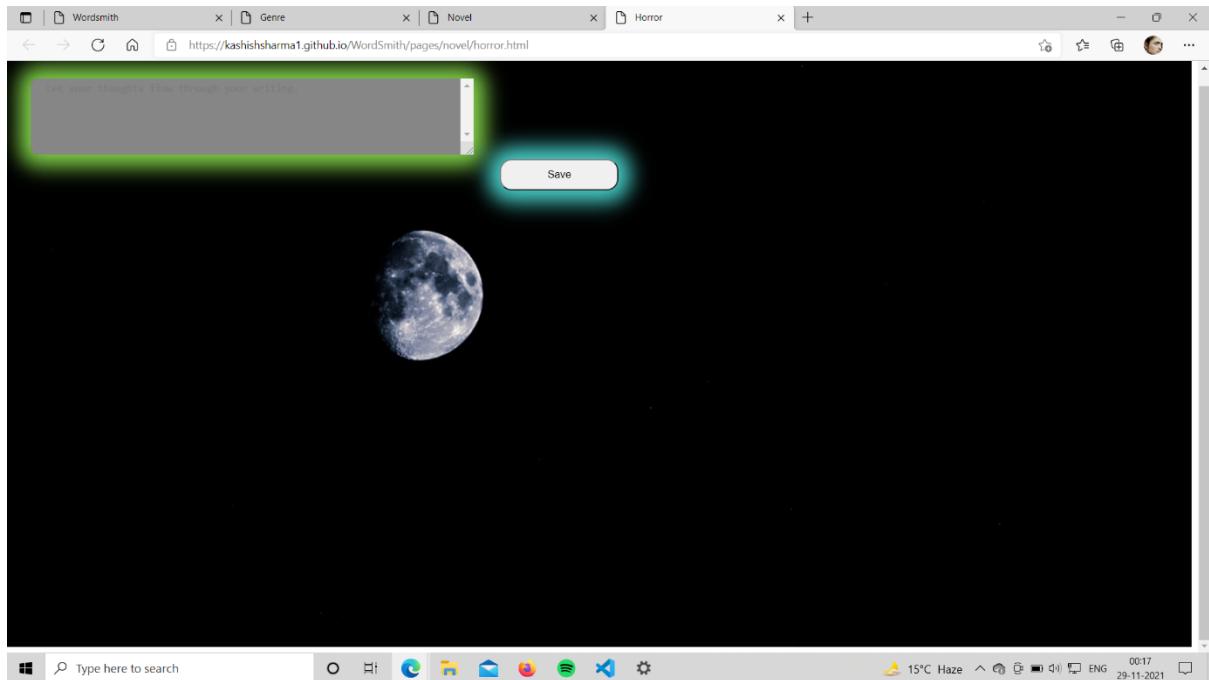












The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, it shows the project structure under the "WORDSMITH" folder. The "story" folder is expanded, showing files like "article.html", "children.html", "fiction.html", "folklore.html", "genre.html", "login.html", "narrative.html", "non-fic.html", and "novel.html".
- Code Editor:** The main area displays the "index.html" file content. The code includes sections for services, blocks (one, two, three), a review section with cards for writing space, flow, and creativity, and a "why join" section.
- Status Bar:** At the bottom, it shows "Line 39, Col 54" and "Spaces: 2, UTF-8, CRLF, HTML". It also indicates "Port: 5500" and "Prettier" is active.

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under the 'WORDSMITH' folder, including subfolders like 'story', 'children', 'fiction', 'folklore', 'genre', 'login', 'narrative', 'non-fic', 'novel', 'para', 'poetry', 'quotes', 'stories', 'style', and 'images'. It also lists 'js' files such as 'quoteGen.js' and 'index.html'.
- Code Editor:** The main editor area displays the content of 'index.html'. The code includes sections for 'main', 'sec-1', and 'sec-2', and a navigation menu with links to 'article', 'children', 'fiction', 'folklore', 'genre', 'login', 'narrative', 'non-fic', and 'novel' pages, each accompanied by a social media icon (Facebook, Twitter, Google, LinkedIn, Dribbble).
- Status Bar:** At the bottom, it shows 'Ln 39, Col 54' and other status indicators like 'Spaces: 2', 'UTF-8', 'CRLF', 'HTML', 'Port: 5500', and 'Prettier'.
- Bottom Taskbar:** Includes icons for Windows, search, and various application icons.

File Edit Selection View Go Run Terminal Help

login.html - WordSmith - Visual Studio Code

```

EXPLORER ... login.html quoteGen.js mytho.html stories.html index.html login.css
WORDSMITH
  pages > login.html > login.html > html > body > div.main > div.form-box > form#loginForm > input.check-box
    </form>
    <form class="input" id="register" onsubmit="signup(event)">
      <input type="text" id="regName" class="input-field" placeholder="User Id" required>
      <input type="email" id="regEmail" class="input-field" placeholder="Email Id" required>
      <input type="password" id="regPassword" class="input-field" placeholder="Enter password" required>
      <input type="checkbox" class="check-box"><span>already registered</span>
      <button type="submit" class="submit-btn">Register</button>
    </form>
  </div>
  </div>
  <script>
    var x = document.getElementById("login");
    var y = document.getElementById("register");
    var z = document.getElementById("btn-one");
  </script>
  <function register() {
    x.style.left = "-400px";
    y.style.left = "50px";
    z.style.left = "110px";
  }
  </function>
  <function login() {
    x.style.left = "50px";
    y.style.left = "450px";
    z.style.left = "0px";
  }
  </script>
  <script type="module">
    import { initializeApp } from "https://www.gstatic.com/firebasejs/9.5.0/firebase-app.js";
    import { getAuth, createUserWithEmailAndPassword, signInWithEmailAndPassword } from "https://www.gstatic.com/firebasejs/9.5.0/firebase
    // TODO: Add SDKs for Firebase products that you want to use
    // https://firebase.google.com/docs/web/setup#available-libraries
  </script>

```

In 26, Col 49 Spaces:2 UTF-8 CRLF HTML Port:5500 ✅ Prettier 0050 15°C Haze ENG 29-11-2021

Type here to search

File Edit Selection View Go Run Terminal Help

login.html - WordSmith - Visual Studio Code

```

EXPLORER ... login.html quoteGen.js mytho.html stories.html index.html login.css
WORDSMITH
  pages > login.html > login.html > login.html > html > body > div.main > div.form-box > form#loginForm > input.check-box
    </form>
    <script type="module">
      import { initializeApp } from "https://www.gstatic.com/firebasejs/9.5.0/firebase-app.js";
      import { getAuth, createUserWithEmailAndPassword, signInWithEmailAndPassword } from "https://www.gstatic.com/firebasejs/9.5.0/firebase
      // TODO: Add SDKs for Firebase products that you want to use
      // https://firebase.google.com/docs/web/setup#available-libraries
      // Your web app's Firebase configuration
      const firebaseConfig = {
        apiKey: "AIzaSyBpmQ4CVKkp4ipd51gJweJ7oJWYrkc",
        authDomain: "fir-wordsmith.firebaseioapp.com",
        projectId: "fir-wordsmith",
        storageBucket: "fir-wordsmith.appspot.com",
        messagingSenderId: "219130361",
        appId: "1:2219130361:web:e9ca146906d406cd5128"
      };
      // Initialize Firebase
      const app = initializeApp(firebaseConfig);
      const auth = getAuth(app);
      document.getElementById("register").addEventListener("click", function() {
        const email = document.getElementById("regEmail").value;
        const password = document.getElementById("regPassword").value;
        const auth = getAuth();
        createUserWithEmailAndPassword(auth, email, password)
          .then((userCredential) => {
            // Signed in
            const user = userCredential.user;
            // ...
            console.log("created")
          })
          .catch((error) => {
            const errorCode = error.code;
          });
      });
    </script>

```

In 26, Col 49 Spaces:2 UTF-8 CRLF HTML Port:5500 ✅ Prettier 0050 15°C Haze ENG 29-11-2021

Type here to search

File Edit Selection View Go Run Terminal Help style.css - WordSmith - Visual Studio Code

EXPLORER ... login.html style.css quoteGen.js mytho.html stories.html index.html login.css

```
css > style.css > html
1 @import url('https://fonts.googleapis.com/css2?family=Shalimar&display=swap');
2 @import url('https://fonts.googleapis.com/css2?family=Mark+Script&family=Passions+Conflict&family=shalimar&display=swap');
3
4 {
5   padding: 0;
6   margin: 0;
7   box-sizing: border-box;
8 }
9
10 html{
11   scroll-behavior: smooth;
12 }
13
14 .navbar{
15   width: 100%;
16   height: 90px;
17   background-color: #rgb(23, 23, 24);
18 }
19
20 .navbar img{
21   margin-right: 10px;
22   margin-bottom: 13px;
23   margin-top: 5px;
24 }
25
26 .dropdown{
27   background-color: #rgb(65, 41, 90);
28   border-radius: 5px;
29   margin-right: 10px;
30 }
31
32 .btn{
33   color: #rgb(245, 215, 220);
34 }
35
36 .dropdown:hover{
37   background-color: #purple;
38 }
```

images js quoteGen.js pages novel adventure.html autobiography.html bildungsroman.html biography.html comedy.html drama.html fantasy.html history.html horror.html magical.html

OUTLINE TIMELINE

master\* 0 0 Δ 0 Type here to search 12 Col 2 Spaces 2 UTF-8 CRLF CSS Port: 5500 Prettier 15°C Haze 0051 29-11-2021

File Edit Selection View Go Run Terminal Help style.css - WordSmith - Visual Studio Code

EXPLORER ... login.html style.css quoteGen.js mytho.html stories.html index.html login.css

```
css > style.css > html
695 font-size: 40px;
696 margin: 50px auto;
697 box-shadow: 0 0 25px 15px #rgb(28, 240, 255);
698 position: relative;
699 top: -100px;
700 font-family: 'Passions Conflict', cursive;
701
702 #btn:hover{
703 box-shadow: 0 0 25px 15px #rgb(245, 16, 195);
704 }
705
706
707 #output{
708 margin: 25px auto;
709 color: #whitesmoke;
710 position: relative;
711 top: -140px;
712 font-family: 'Passions Conflict', cursive;
713 font-size: 38px;
714
715 }
716
717 .close{
718 position: absolute;
719 top: 20px;
720 right: 20px;
721 width: 40px;
722 height: 40px;
723 background: transparent;
724 background-image: url("../images/closel.jpg");
725 background-size: 40px 40px;
726 background-repeat: no-repeat;
727 opacity: 0.5;
728 cursor: pointer;
729 border-radius: 10px ;
730 }
```

images js quoteGen.js pages novel adventure.html autobiography.html bildungsroman.html biography.html comedy.html drama.html fantasy.html history.html horror.html magical.html

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master\* 0 0 Δ 0 Type here to search 12 Col 2 Spaces 2 UTF-8 CRLF CSS Port: 5500 Prettier 15°C Haze 0051 29-11-2021

# **Bibliography**

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