



Module	Portfolio	Assessment Type
Collaborative Development (5CS024)	1	Individual Report

[Tax Calculator System (Frontend Developer)]

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Section : [L5CG8]

Group : [L5CG8 Group F]

Module Leader : [Mr. Biraj Dulal]

Lecturer : [Mr. Uday kandel]

Acknowledgement

I'd like to express my heartfelt gratitude to everyone who made it possible for me to complete this article.

I would like to express my gratitude to our module leader "Mr Biraj Dulal," lecturer Uday, and GTA Rupesh Shrestha, whose suggestions and encouragement helped me coordinate my project, particularly in the writing of this study. Mr. Biraj Dulal's advice was extremely helpful in putting together a proper report format. I am particularly grateful to GTA "Rupesh Shrestha" for his assistance. Lecturer "Mr Uday Kandel's" assistance was greatly appreciated. A special thanks to my friends and community members who assisted me in assembling the parts and completing this article, both directly and indirectly.

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Self-appraisal form

Student number	unv\2050214	Name	Yogesh Shrestha
Project	Tax Calculator System	Date	04/16/2021
Role	Frontend Developer	Team	L5CG8 (group F)
Sprint (1 or 2)	2		

Personal objectives – performance measurement

Objectives	Evidence provided (E.g. appendix A, filename etc.)	Evaluation Student / tutor	
Implementing functional requirement	<p>The functional requirement was developed and delivered on time. The code is understandable and comments are done to make easy for backend developer understanding works of code. As for version control, the 2 branches i.e. master and backend were used in GitHub. The Master branch is the main branch where code is merged and the backend branch is the 2nd branch where backend development was developed.</p> <p>Implementing functional requirement</p> <p>Codes and their explanation</p> <p>Use of Version control (Screenshots of logs)</p>	9	
Tutor feedback:			

Bug Fixing	<p>While developing the project, it is natural to occur bug. Those bugs were found by BA, BA assigned all developers to fix those bugs. Developers fixed the bugs and let team members know that the bugs are fixed.</p> <p>Bug Fixing</p>	9	
<i>Tutor feedback:</i>			
		18	/20

Collaboration Document

Evidence of good collaboration

Good communication and file sharing

For good communication, Facebook, Messenger, Viber, basecamp, Gmail and Google meet were used. Facebook, Messenger, and basecamp were used for conversation purpose only, Gmail, and Viber were used for file sharing. Viber and Google Meet were used pair programming. For the successful development of the project file sharing and pair, programming was very important.

[Evidences of Good communication and file sharing](#)

Continuing Personal Development (CPD)

Developing a project myself is not easy due to the limitation of the brain. Because of difficulties and problems research was done to solve the problem and make it easy. Various design sample was researched to develop a webpage. Some CSS properties were searched to implement. For the successful development of the project and collaboration with team members, Django language was installed after research. And Udemy course was used to learn about responsive Style.

[Evidences of Continuing Personal Development \(CPD\)](#)

Issue tracking

A project cannot be developed successfully; some issues always occur. Issues occur like accordion visibility problem, output not in proper place problem, lorem information, and inappropriate colour. Every issue was difficult to fix but after checking and understanding the code the issues was fixed.

[Evidences of Issue tracking](#)

Appendix A

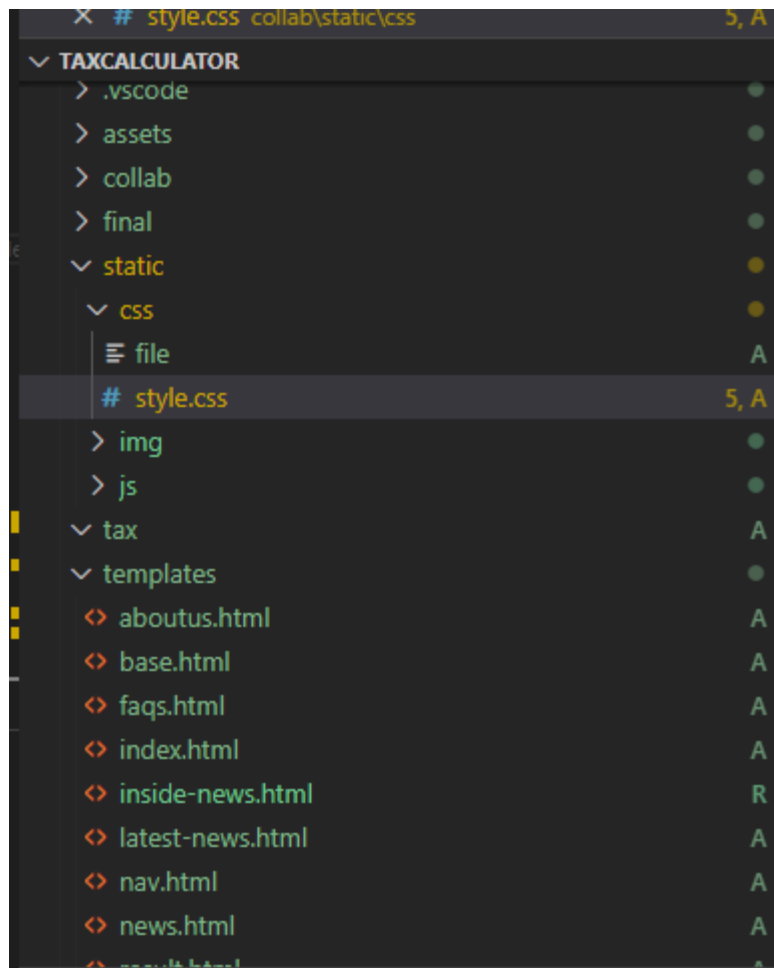
Implementing functional requirement

Codes and their explanation

Frontend development is necessary for the development of the website. A frontend developer might develop a web page but cannot develop a web functioning page. While developing a frontend web page, the frontend Developer should do simple coding, proper coding, commenting and manage to deliver code file on time. So that, backend developer could understand the code and work on it.

For sprint 2 I have added a proper result structure where the output of the result can be display. News, faqs, about us pages, are built. CSS changes in the more proper way and responsive CSS is added.

To develop this project, proper file arrangement is necessary. If the file is arranged zigzag it can create collusion for the backend developer.



This figure shows the file and folder structure of the project. This folder is arranged by BD but inside static and template's file was arranged by FD. Inside the CSS folder, the style.css file is built which contains every CSS of HTML. We can also know it as the main CSS file. Inside templates, it contains aboutus, base, faqs.html etc. which is the HTML structure of web pages.

The result section is on the homepage. This the section where the calculation of output is displayed.


```

<!--result section-->
<section>
  <div class="result">
    <h1>Result</h1>
    <div class="results-info">
      <div class="particular">
        <label>Particulars</label>
        <label>Amounts</label>
      </div>
      <div class="total-income">
        <label>Total annual income:</label>
        <label>{{income_amount}}</label>
      </div>

      <div class="total-deduction">
        <label>Total Deduction:</label>
        <label>{{deduction_amount}}</label>
      </div>
      <div class="total-tax">
        <label>Total Tax:</label>
        <label>{{tax_amount}}</label>
      </div>
    </div>
  </div>
</section>

```

In this figure. Section tag is used to contain all the content and HTML tags. The class result is the parent class. There is an h1 tag that shows the heading "Result". Inside results-info, label tags are contained in a particular class. Inside label, some of written are text and those texts are written inside the curly bracket are output calls added by BD.

These are the CSS properties to make the result section attractive. Inside the main CSS, the result CSS is kept in a comment known as “result CSS”. It helps BD to identify where the CSS property is and which CSS is working for which class.

```
/*result css */
.v .result {
  clear: both;
}

.v .results-info {
  border: 1px solid rgb(131, 121, 121);
  box-shadow: inset 0 1px 0 0 #686666, 0 1px 3px #000;
  margin: 20px 0;
  padding: 20px 10px;
}

.v .results-info label {
  width: 200px;
  padding: 10px;
}

.v .result:after {
  content: "";
  clear: both;
  display: table;
}

.v .particular label {
  font-weight: bold;
}

.v .particular,
.v .total-tax,
.v .total-deduction,
.v .total-income {
  display: flex;
  justify-content: space-between;
}

.v .results-info output {
  width: 200px;
  padding: 10px;
}

You, seconds ago • Uncommitted changes
/*section css ends*/
```

In this figure, at result class clear: both; is used to clear float. There are sub-classes with CSS properties. There is results-info label to select label tags only inside of results-info class. Certain width and padding are given inside it. CSS after style is used to clear float. And, multiples CSS is selected and given

display as flex. My selecting multiples class and giving certain properties allows making code short and easy.

This is the footer tag where some navigation links are contained. To make a website complete footer needs. It shows the endpoint of the webpage.

```
<!-- footer starts -->
<footer class="footer">
  <div class="container">
    <div class="footer-nav">
      <div class="footer-news">
        <a href="{% url 'news.html' %}">News</a>
        <p>Here, we get to know latest news related to tax.</p>
        <p>Of course, you can also view old news too</p>
      </div>
      <div class="footer-faqs">
        <a href="{% url 'faqs.html' %}">FAQs</a>
        <p>If you have problem with our website in calculating process please visit our website.</p>
        <p>If things still bothers you send email to us</p>
      </div>
      <div class="footer-aboutus">
        <a href="{% url 'aboutus.html' %}">About Us</a>
        <p>learn about our service, co-worker who developed this website</p>
        <p>if you want to get contact of developers you will find in this page</p>
      </div>
    </div>
    <div class="copyrights">
      <strong>CopyRights@2021 Tax calculator system</strong>
    </div>
  </div>
</footer>
<!-- footer starts -->
```

In this figure, the footer class is given at the footer tag. There is a container that contains the context of the HTML tag and used for giving max-width, width value. And there is the footer-nav class (parents of inside classes). Inside this class, it has navigation links, p tag where the short description is given. At last, the copyrights class contains a strong tag that contains copyrights description.

This the news page, where user visit to view news related to tax. This page is dynamic and news are updated by admin.

```
<main id="main">
  <!--section news-->
  <div class="container">
    <section class="section-news">
      <h1>Tax News</h1>
      <div class="news-container">
        {% for post in object_list %}
          <div class="description">
            <article class="articles">
              <div class="heading">
                <h3>{{ post.title }}</h3>
                <div class="desc-visible">
                  <p>{{ post.content| truncatechars:300 }}</p>
                  <a class="show-more" href="{% url 'inside-news' post.id %}">View Full Coverage</a>
                </div>
              </div>
            </article>
          </div>
        {% endfor %}
      </div>
    </section>
  </div>
</main>
```

In this figure, HTML tags are contained in the main tag. There is a container class, section-news class. There is an article tag that contains information on the news. Since this page is dynamic, structures are built to upload news by admin. The text which is written inside curly brackets is a function call to upload news that is uploaded by the admin. And more, there show-more class that lets users view news on another news page.

This the CSS style for the news page.

```

/*css for news */
.section-news {
}

.section-news h1 {
  text-align: center;
  color: #333d79ff;
}

.articles {
  padding: 5px;
  margin: 10px 5px;
  display: flex;
  height: 110px;
  overflow: hidden;
  color: #000;
  transition: 0.6s;
  border-radius: 5px;
  border: 1px solid black;
}

.articles:hover {
  height: 200px;
}

.show-more {
  padding: 5px;
  border-radius: 5px;
  cursor: pointer;
  color: #333d79ff;
}

```

In this figure, comments are given as “CSS for news”. CSS properties are given at class section-news, articles, show-more. CSS hover is used to show some hover effect. By giving height values as 200px it displays some expands effect while hovering.

This is faqs pages which contain questions and solution. On this page, the users can get some helps If they are facing some problems are or have questions. Faqs question are stored in the database and question and answers are uploaded by the admin.

```
<!--section main page-->
<section class="section-faqs">
  <div class="faqs container">
    <article>
      {% comment %} <button class="accordion">How can i get my result?</button>
      <ul class="panel list-panel">
        <li>Go to Home page.</li>
        <li>Fill the information asked in our home page like: Married status, gender, salary.</li>
        <li>If you have addition information fill it up</li>
        <li>Then click on calculate button to calculate tax</li>
      </ul> {% endcomment %}

      {% for faq in faqs %}

        <button class="accordion accr">{{ faq.question }}</button>
        <div class="panel">
          <p>{{ faq.answer }}</p>
        </div>
      {% endfor %}

      {% comment %} <button class="accordion accr">How can i see latest news about tax system in Nepal?</button>
      <div class="panel">
        <p>Click on News page to view latest news related to tax system.</p>
      </div>

      <button class="accordion accr">How can i see latest news about tax system in Nepal?</button>
      <div class="panel">
        <p>Click on News page to view latest news related to tax system.</p>
      </div>

      <button class="accordion accr">How can i see latest news about tax system in Nepal?</button>
      <div class="panel">
        <p>Click on News page to view latest news related to tax system.</p>
      </div> {% endcomment %}
    </article>
  </div>
</section>
```

In this figure, while creating class faqs and container are given together. By giving two separate names in one class, It allows creating two different class name in one div tag. As you know, the container class contains CSS properties of width value. There is the accordion class on every button. By giving the same class name it helps to give CSS properties in every button at once.

These is faqs CSS styles.

```
/*faqs css*/
.section-faqs {
  margin: 100px 20px;
}

.accordion {
  background-color: #eee;
  color: #444;
  cursor: pointer;
  padding: 18px;
  width: 100%;
  border: none;
  text-align: left;
  outline: none;
  font-size: 15px;
  transition: 0.4s;
}

.accordion:active,
.accordion:hover {
  background-color: #ccc;
}

.accordion:after {
  content: "\002B";
  color: #777;
  font-weight: bold;
  float: right;
  margin-left: 5px;
}

.accordion.active:after {
  content: "\2212";
}

.accordion {
  border-bottom: 1px solid #ccc;
}
```


In this figure, section-faqs, accordion, accr class are contained with CSS properties. CSS active allows a certain element to be active always. Inside Accordion: after, content and some value is given to add "+", "-" sign.

This is aboutus page which is the static webpage. It contains some about informations of webpages.

```
<!--section main-->
<section class="section-about">
  <div class="container">
    <div class="about-us">
      <h1>About Us</h1>
      <div class="about-calculator">
        <h2>Services we provides</h2>
        <p>
          Lorem ipsum dolor sit, amet consectetur adipisicing elit.
          Eligendi autem, quae incidunt tempore culpa unde repudiandae quo
          quaerat voluptates quia dolor illo dicta, porro officiis, nisi
          dolores saepe ex necessitatibus!
        </p>
      </div>
    <div class="about-service">
      <h2>Things you can do</h2>
      <p>
        Lorem ipsum dolor sit, amet consectetur adipisicing elit.
        Eligendi autem, quae incidunt tempore culpa unde repudiandae quo
        quaerat voluptates quia dolor illo dicta, porro officiis, nisi
        dolores saepe ex necessitatibus!
      </p>
    </div>
  </div>
</div>
</section>
```

In this figure, there is section-about class that contains an h2 tag with headings and p tags with lorem descriptions.

This is the CSS styles of the About page.

```

}
/*about us css starts*/      purnima-poo, a day a
✓ .section-about {
  text-align: center;
  margin: 80px 0 150;
}

✓ .about-us {
  width: 77%;
  margin: 0 auto;
}

✓ .about-us h1 {
  margin-bottom: 20px;
}

.underline .about-calculator,
.underline .about-service {
}
/*about us css end */

```

In this figure, class section-about, about-us is selected and given CSS properties.

This is responsive CSS which allows supporting mobiles, tablets to use this website. And this is mobile supportive responsive CSS. There is two way of making website responsive. They are mobile-first responsive and webpage first responsive. I followed the webpage first responsive to style on our project.

```

/*responsive css */
/*responsive for mobile */
@media only screen and (max-width: 479px) {
  #logo {
    float: none;
  }
  .navigation li:first-child:before {
  }

  .navigation {
    margin: 0;
  }
  .icon {
    height: 50px;
    width: 50px;
    visibility: visible;
  }

  .icon-home {
    padding-top: 85px;
    height: 50px;
  }

  .navigation ul {
    margin-top: -25px;
    margin-left: -15px;
  }
}

```

In this figure, @media and max-width: 479px is used to build a responsive website. Only after selecting this, it allows making changes for mobile responsive. Id logo, class navigation, icon are selected and given certain style properties.

This is tablet responsive. Max-width from 480 to 991px are known as tablet.

```
/*responsive for tablet*/
@media screen and (max-width: 991px) {
  .section {
    float: none;
    width: 90%;
    margin: 0 auto;
  }

  .info-top,
  .info-bottom,
  .income-top,
  .income-bottom,
  .deduction-top,
  .deduction-middle,
  .deduction-bottom {
    display: block;
  }

  .tax-calculator input {
    width: 210px;
  }

  .side-news {
    clear: both;
    float: none;
  }

  .side-news {
    width: 90%;
    margin: 0 auto;
  }
}
/*responsive for computer */
@media screen and (max-width: 1199px) {
}
```

In this figure, the max-width value is 991 px of media screen to build tablet responsive. Inside this, class section, tax-calculator, side-news are selected. And multiples class are selected and given display value as a block.

Use of Version control (Screenshots of logs)

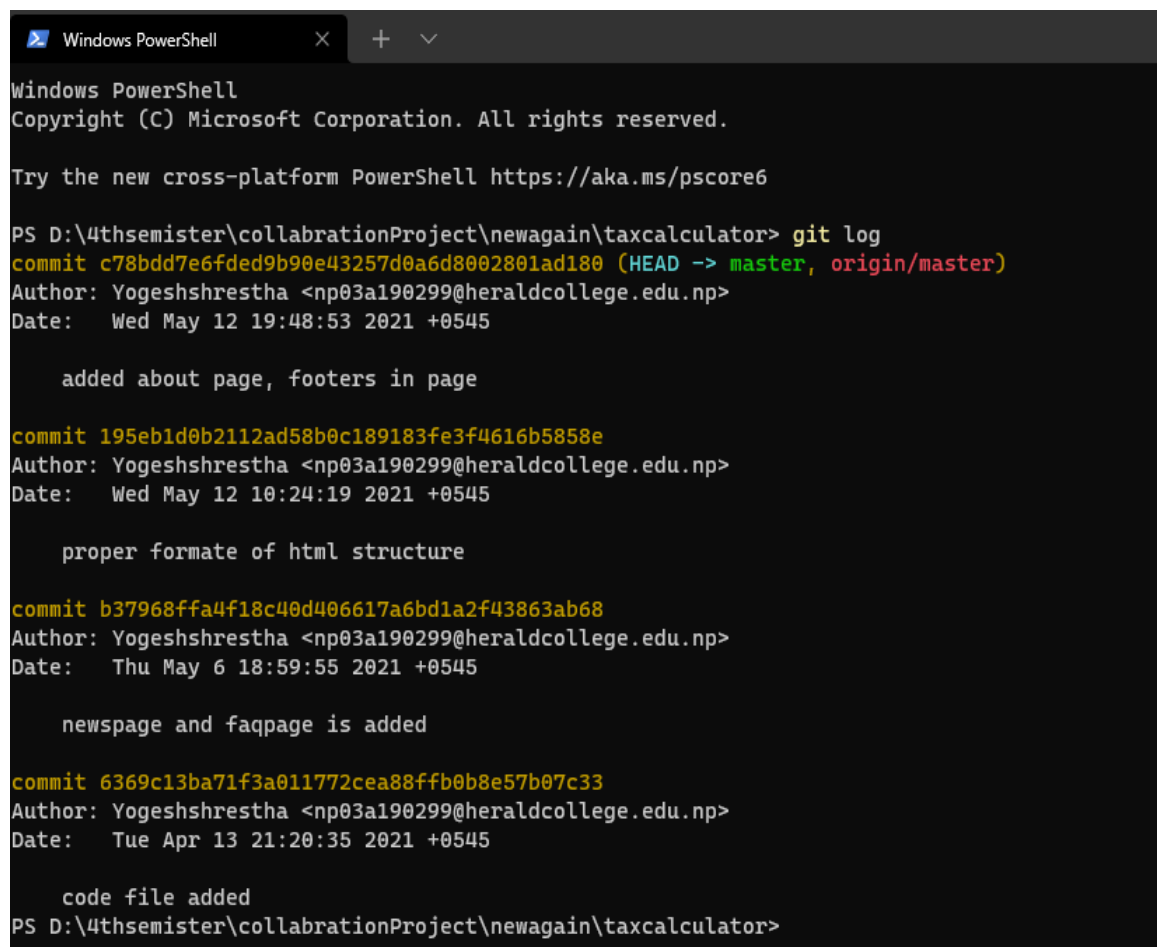
Git hub is used as version control to collaborate with teams and to share files and folder. Using this, helps to keep track of every progress and effortlessly

understand the improvements you've made, whether they're in the form of data, coding scripts, or comments.

In our team using GitHub was very helpful. We up-to-date after completing work. We used 2 types of branch i.e. master branch and backend branch. The Master branch is the main branch where the fronted developer worked on and the backend branch is merged. And backend branch is used for uploading works related to Django language. To upload file in GitHub we followed some steps like git add . to add files, git commit -m "" to comment what we word on, git push origin master to push or upload file in GitHub, etc.

This is the link to our GitHub that we used.

<https://github.com/Yogeshshrestha/Tax-calculator>

A screenshot of a Windows PowerShell terminal window. The title bar shows 'Windows PowerShell' with standard window controls. The terminal text shows the 'git log' command being executed in the directory 'D:\4thsemester\collabrationProject\newagain\taxcalculator'. The output displays four commit entries, each with a commit hash, author information (Yogeshshrestha), date, and a description of the changes. The commits are ordered from newest at the top to oldest at the bottom. The descriptions include 'added about page, footers in page', 'proper formate of html structure', 'newspage and faqpage is added', and 'code file added'.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\4thsemester\collabrationProject\newagain\taxcalculator> git log
commit c78bdd7e6fded9b90e43257d0a6d8002801ad180 (HEAD -> master, origin/master)
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date:   Wed May 12 19:48:53 2021 +0545

    added about page, footers in page

commit 195eb1d0b2112ad58b0c189183fe3f4616b5858e
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date:   Wed May 12 10:24:19 2021 +0545

    proper formate of html structure

commit b37968ffa4f18c40d406617a6bd1a2f43863ab68
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date:   Thu May 6 18:59:55 2021 +0545

    newspage and faqpage is added

commit 6369c13ba71f3a011772cea88ffb0b8e57b07c33
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date:   Tue Apr 13 21:20:35 2021 +0545

    code file added

PS D:\4thsemester\collabrationProject\newagain\taxcalculator>
```

This figure shows the logs of GitHub that we used while doing work in spring 2. The oldest GitHub pushed was done on April 13 with the comments “code file

added". The HTML, CSS code was added. Then, on May 6 GitHub was used to push another updated file with the comment "newspage and faqpage are added". The newspaper and faqpage were added. On May 12 another file was pushed with the comment "proper format of HTML structure". The HTML structure was missing few close tags it was fixed and the CSS property was added in the proper way. Again, same date but different time, the new coded file was pushed. There was about page file added and footer tags added to each page.

```
PS D:\4thsemester\collabrationProject\newagain\taxcalculator> git log
commit c68804224c1479cb069b9ba9f85048e8e79faefe (HEAD -> master, origin/master)
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Sat May 15 11:40:47 2021 +0545

    remove unnecesssary files

commit 8d6b0482cf9d81d2da379869882954b81ced1145
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Sat May 15 11:35:36 2021 +0545

    all css done, responsice news added, accordion issue fixed, some css error fixed

commit 87ba58889f4707192ec0ed2a829c75f7aeae4d31
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Fri May 14 20:33:02 2021 +0545

    second last update

commit c78bdd7e6fded9b90e43257d0a6d8002801ad180
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Wed May 12 19:48:53 2021 +0545

    added about page, footers in page

commit 195eb1d0b2112ad58b0c189183fe3f4616b5858e
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Wed May 12 10:24:19 2021 +0545

    proper formate of html structure
```

In this figure, more update changes are done. There is an update changed on 14 may with comment second last update. After one day, the file was updated was done after adding the news page responsive, fixing the assigned issue and making CSS properties clear.

```

To https://github.com/Yogeshshrestha/Tax-calculator.git
c688042..c0898fe master -> master
PS D:\4thsemister\collabrationProject\newagain\taxcalculator\collab> git log
commit c0898fe72316dae7f0e99a857a95596e2a946a18 (HEAD -> master, origin/master)
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Sun May 16 09:04:52 2021 +0545

    bugs fixed and final upload

commit c68804224c1479cb069b9ba9f85048e8e79faefe
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Sat May 15 11:40:47 2021 +0545

    remove unnecessary files

commit 8d6b0482cf9d81d2da379869882954b81ced1145
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Sat May 15 11:35:36 2021 +0545

    all css done, responsice news added, accordion issue fixed, some css error fixed

commit 87ba58889f4707192ec0ed2a829c75f7aeae4d31
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Fri May 14 20:33:02 2021 +0545

    second last update

commit c78bdd7e6fded9b90e43257d0a6d8002801ad180
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Wed May 12 19:48:53 2021 +0545

```

In this figure, this is the log of the final updated file in GitHub.

```

daaeefd..8d028bb backend -> backend
PS D:\4thsemister\collabrationProject\newagain\taxcalculator\collab> git log
commit 8d028bbb516daea2712039af1115288dde7c13fc (HEAD -> backend, origin/backend)
Author: Yogeshshrestha <np03a190299@heraldcollege.edu.np>
Date: Fri May 14 19:29:16 2021 +0545

    responsived css added, formal latest news post added and

commit daaeefd182cc793ebaeb1d96bd237b94e41d61e0
Merge: 55e1818 9d5e18a
Author: purnima-poo <np03a190173@herladcollege.edu.np>
Date: Fri May 14 10:29:59 2021 +0545

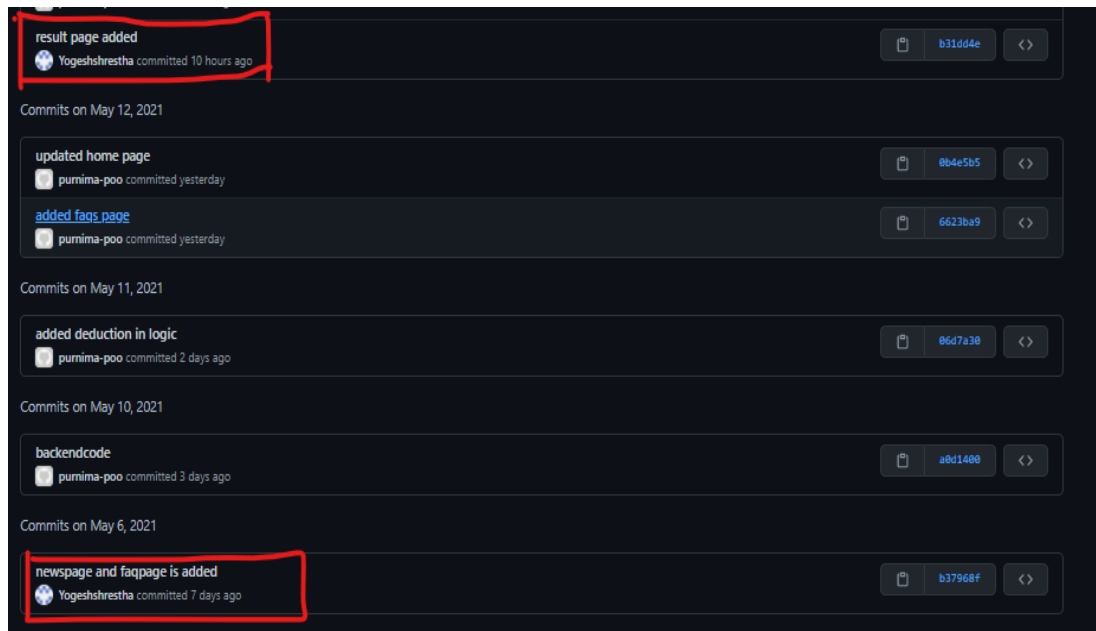
    database added in faq

commit 55e18188c35aee735fd9310320bce6224a388f3e
Author: purnima-poo <np03a190173@herladcollege.edu.np>
Date: Fri May 14 10:03:05 2021 +0545

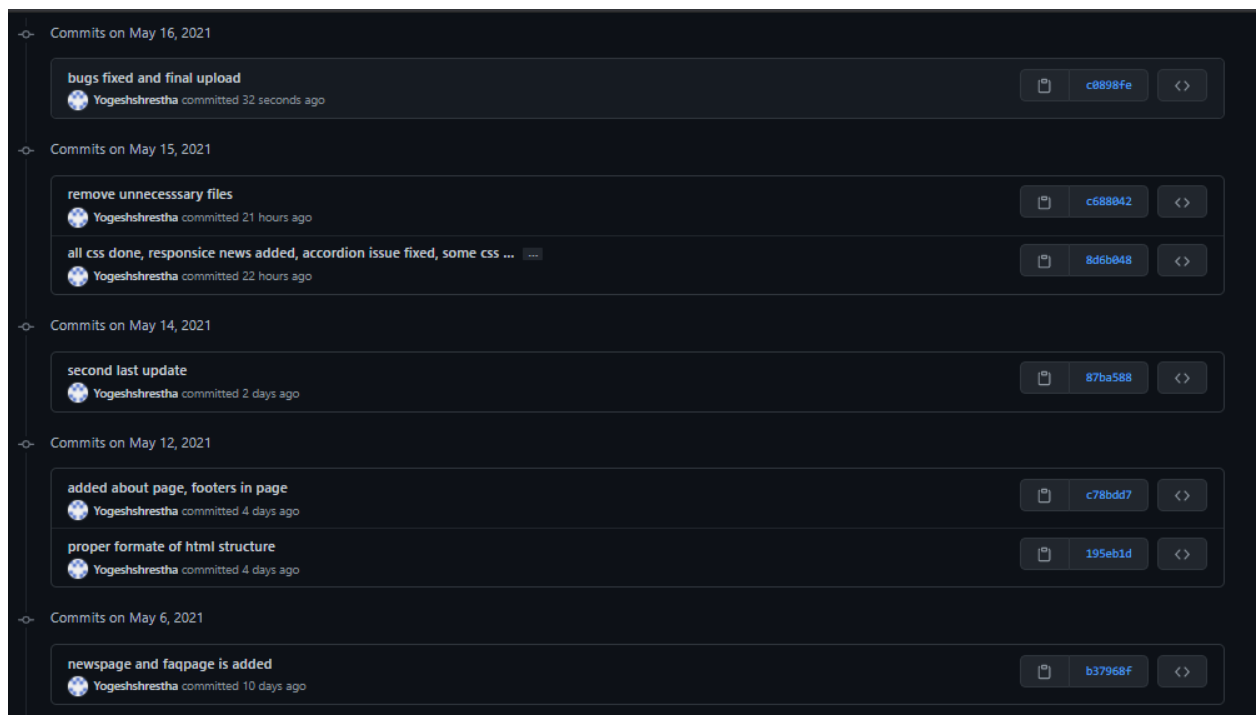
    added database in faq page

```


In this figure, I have pushed the updated file at the branch backend on May 14. There is also a recently updated or added file which was pushed by Purnima Goasin (BD).



This figure shows the trace of work that was changed by me at the backend branch. The highlighted Mark shows the GitHub code changes I made at the backend branch.



In this figure, these are the comments I did while pushing the file at branch master. Here, you can see the file pushed files and comments.

Bug Fixing


A bug fix is a modification to a device or item that addresses a programming flaw. Many different types of programming bugs that cause system implementation errors can necessitate unique bug fixes that development or other IT team may successfully resolve (techopedia , n.d.). the project cannot be perfect. Although, tasks are finished nicely, timely. Something bugs always occur at some points. Some bugs also occurred in our project. The occurred bugs were also successfully fixed.


This is the bug that occurs when BA clicked a link. BA finds out that if we click on FAQ then it opens about us page instead of FAQs page. Then, BA assigned me a task at basecamp to fix it.

1/1 completed

Bug 6:Link error

If we click on FAQ in the footer of home page, then About us page will open. So please fix it.

Screenshot (132).png

Screenshot (133).png

Add a to-do

✓ Link error • Yogesh

1 Comment

Y Yogesh, Developer
now links work fine

9:10am

Y Add a comment or upload a file...

In this figure, BA had assigned me a bug fix task of link error. He provided an image and highlighted the place where the error occurred and also give short information about bug type error. I checked the code and fixed it. Then, after fixing the bug I let others know that bug is fixed.

Another bug was found on the website which was on the home page. Every page was responsive except the home page. Although it may look like it is being responsive it is not. The home was differently being responsive than it supposed to be. This response was supposed to be mobile supportive.

1/1 completed

● Bug 4: Responsive is not working properly.

In home page responsive is not working properly while in other page it is working.SO please fix it.



Screenshot (126).png · 198 KB · [View full-size](#) · [Download](#)

Add a to-do

✓ Fix it as soon as possible. ● Yogesh ● Purnima G. ● Lopsang

1

Comment

Y

Yogesh, Developer
bug is fixed and upoaded

9:09am


In this figure, BA assigned me the task to fix the bug of a responsive error on the homepage. I checked every code and found mistakes with HTML structure. After adding the necessary HTML structure it worked fine and mobile supportive. When the bug was fixed I let another know that, the bug is fixed.


There was a problem with the reset button. When BA clicked on the reset button when the input field is empty, it was calculating the result. In simple word, by clicking the reset button, it was calculating tax.

1/1 completed


Bug 2: Problem on reset button

After filling all empty field, if we click on reset button then it will calculate tax amount. So please fix it.

Screenshot (127).png

Screenshot (128).png

Add a to-do

☒ Fix the problem on reset button  Yogesh  Purnima G.  Lopsang

2 Comments

 **Purnima Gosain, Developer** May 15

Tax Calculator System

In this figure, BA assigned the task to all developer. I checked for that problem but couldn't able to solve it. I ended up just giving some CSS style to the button. The bug was not solved by me but I tried to solve it. instead of me, BD solved it then, after solving it, she/he informed that the bug is solved.

This bug was found in the input field which was discovered by BA. He found that the input field is taking an unlimited number and calculating it. BA didn't find it is nice. So, he assigned the developer to make limitation in the input field.

1/1 completed

Bug 3:problem on salary field

there should be limit for salary. So please fix it.



Screenshot (129).png



Screenshot (130).png

Add a to-do

✓ There should be limit for salary input by user. ● Yogesh ● Purnima G. ● Lopsang

1 Comment



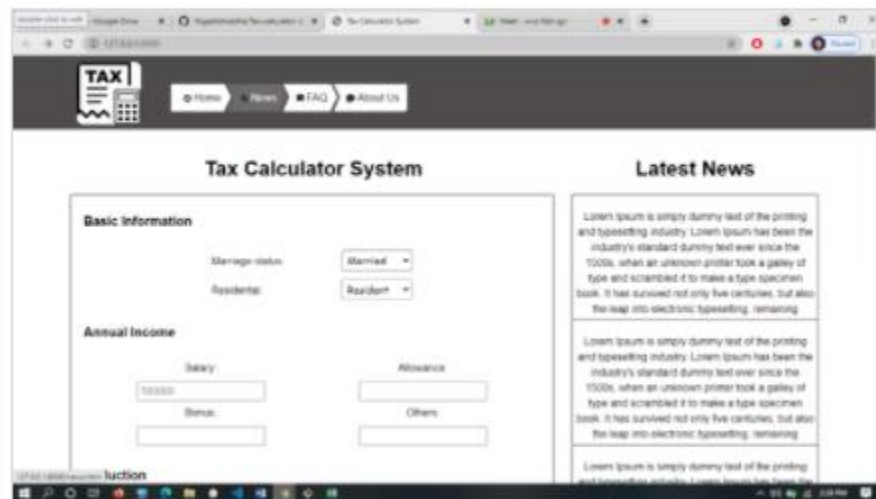
In this figure, BA assigned the task to all developer for the fixation of this bug. I checked for code at the form tag. I added a certain HTML structure to the form but didn't work. Then BD and I done pair programming to fix it. After fixing it. BD inform the team member that this bug is fixed.

BA found out the news page is not working properly or returning an error. So, he assigned the task to developers.

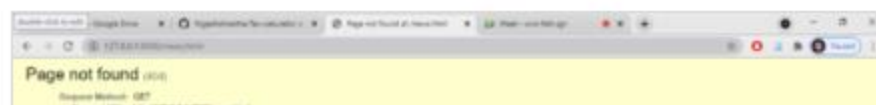
1/1 completed

● Bug 5: News page is not working properly.

If we click on news page , it shows page not found.



Screenshot (122).png · 138 KB · [View full-size](#) · [Download](#)



In this figure, BA assigned the task to all developers about not working with the news page. This bug was not my problem although I helped BD to find the solution to this bug. This figure is 1st part of the bug assigned.

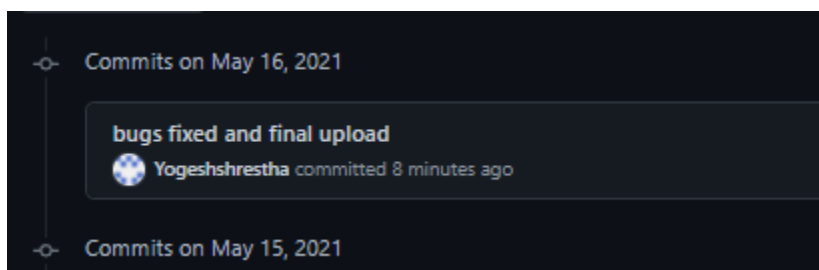


Screenshot (121).png · 88.5 KB · [View full-size](#) · [Download](#)

Add a to-do

✓ Problem on news page. ● Yogesh ● Purnima G. ● Lopsang

This page is the second part of the bug assigned. This bug was fixed at informed to team members by BD.



This figure, shows the bug fixed and uploaded on git hub on May 16. This was also finally pushed at git hub.

- 1/1 completed - [Archive list](#)
- **Bug 6: Link error**
- If we click on FAQ in the footer of home page, then About us page will open....
- Add a to-do
- ✓ Link error ● Yogesh
- 1/1 completed - [Archive list](#)
- **Bug 5: News page is not working properly. 1**
- If we click on news page , it shows page not found. [Screenshot (122).png] [S...
- Add a to-do
- ✓ Problem on news page. ● Yogesh ● Purnima G. ● Lopsang
- 1/1 completed - [Archive list](#)
- **Bug 4: Responsive is not working properly.**
- In home page responsive is not working properly while in other page it is wor...
- Add a to-do
- ✓ Fix it as soon as possible. ● Yogesh ● Purnima G. ● Lopsang
- 1/1 completed - [Archive list](#)
- **Bug 3: problem on salary field 1**
- there should be limit for salary. So please fix it. [Screenshot (129).png][Sc...
- Add a to-do
- ✓ There should be limit for salary input by user. ● Yogesh ● Purnima G. ● Lopsang
- 1/1 completed - [Archive list](#)
- **Bug 2: Problem on reset button 2**
- After filling all empty field, if we click on reset button then it will calcu...

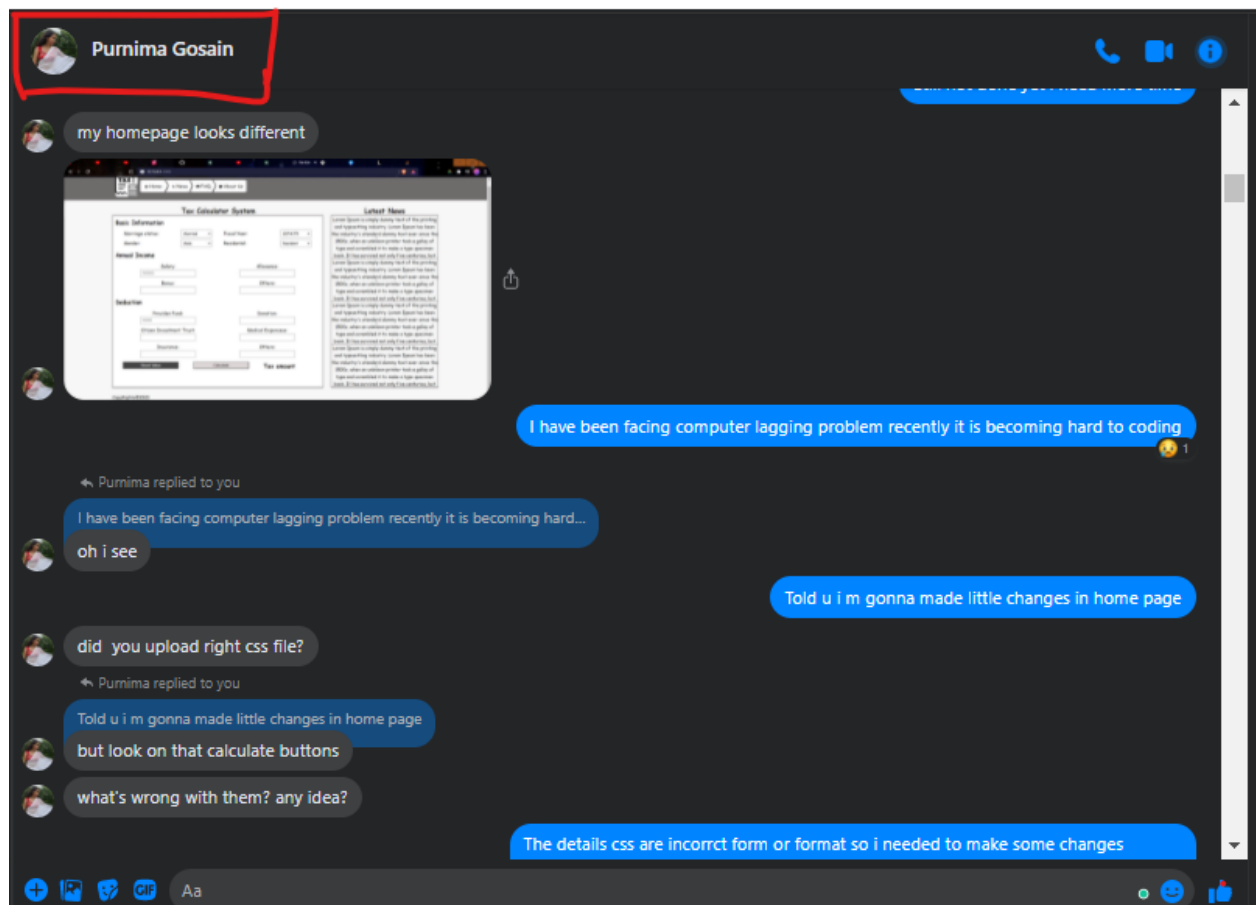
In this figure, it shows that BA assigned bug fixing task to developers and fixed by developers. Every assigned bug was fixed properly and informed to team members.

Appendix B

Evidences of Good communication and file sharing

To develop a successful project, we needed to have good communication with team members. Since, physical meetings, physical communications were not possible to do we communicate with each other through Facebook, Viber, Gmail, Google Meet and basecamp. We also did pair programming to complete this project.

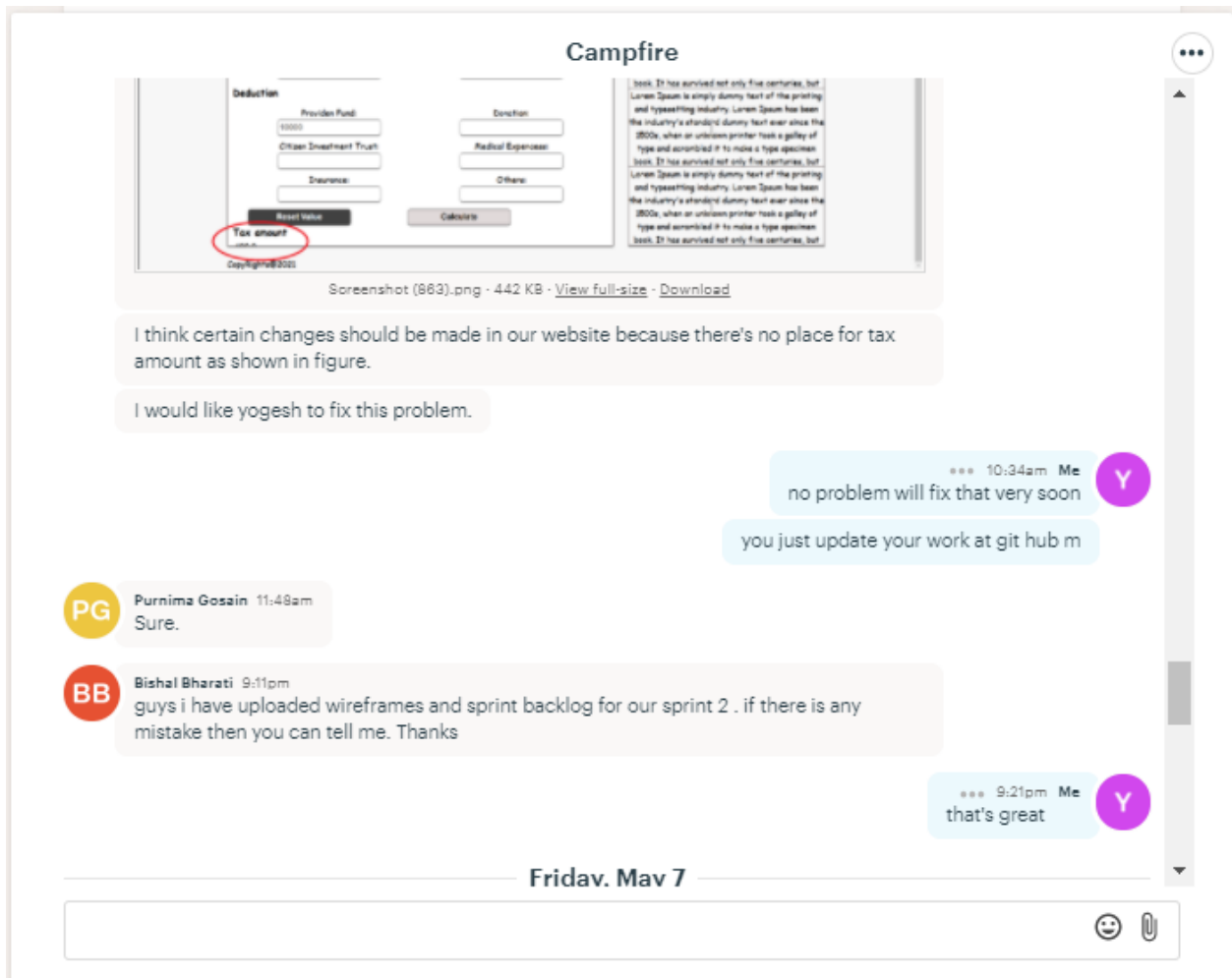
I was changing the HTML structure and adding proper CSS styling on the home page. The homepage was fine but needed to have little changes. So, I changed it then, push it to GitHub. The backend developer founded something different. Then we had some communication related to HTML, CSS changes of the home page.



In this figure, the highlighted mark is Purnima Gosain (BD). She confirms that the home page is supposed to be like this or not. I said, “Yes, I changed my home page”.

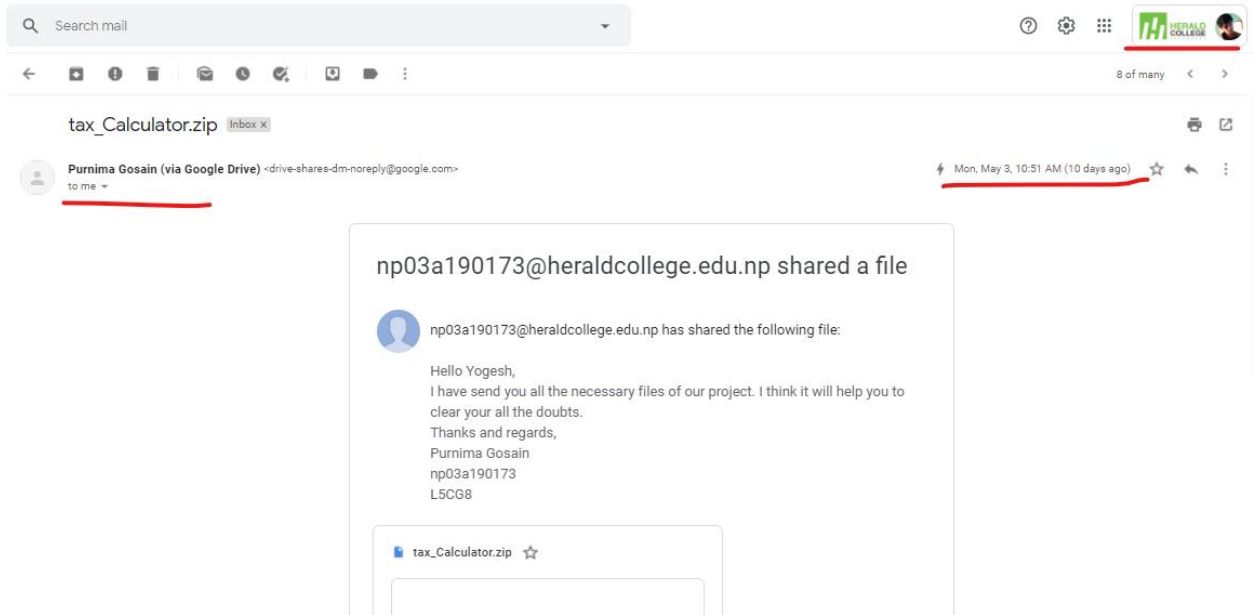
And more, let me know what problem I'm facing while coding. She asked me "what wrong with the old home page". Then. I answered her with certain reasons.

Not only at Messengers or Facebook, but we also had communication. We also communicate at base camp while developing this project. The backend developer was working on the backend. There was no result section to display the result of a calculation that's why Backend Developer was facing problems with showing the output of the result. So, I worked on it and created a result section to show the result of the calculation.



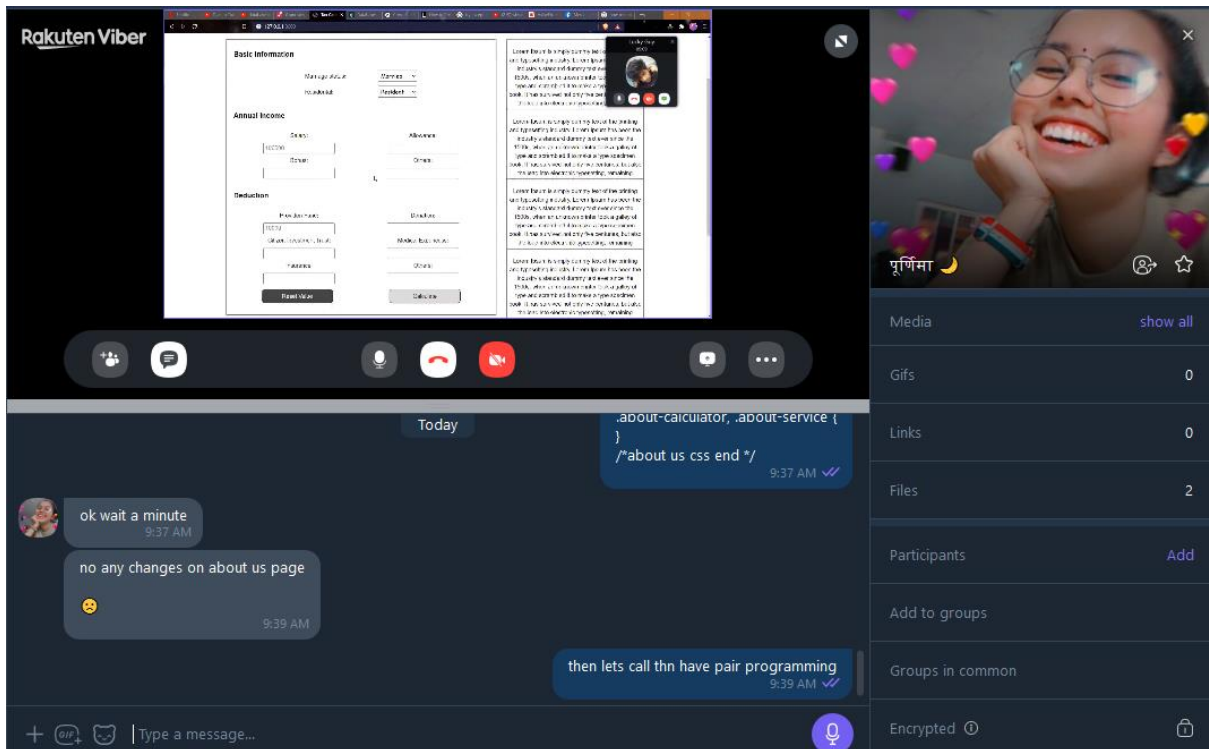
In this figure, Purnima Goasin as a Backend Developer showed me the problems she was facing. Thinking that she may have negative thoughts about this problem I said to her “it will be fixed soon” just to make her being motivated. Then, she said “sure” having a carefree with that problem. And there is Bishal Bharati a Business Analyst who informed us that the wireframe is ready for sprint 2.

With communication, we also did file sharing with team members. Communication and file-sharing were necessary for the development of work. Without file sharing, I cannot even imagine of completion of our project.



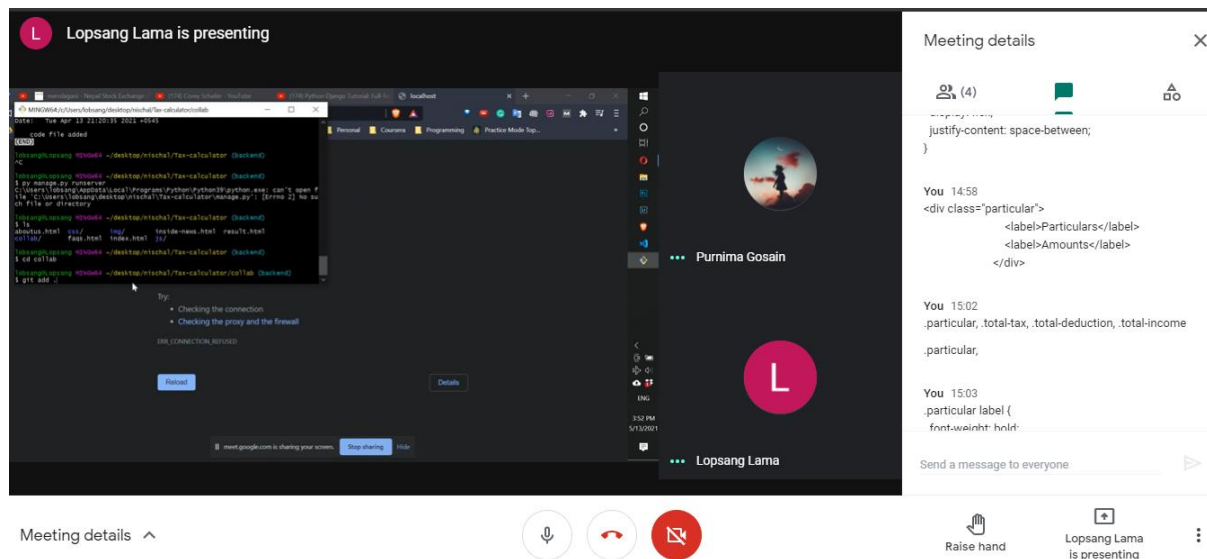
In this figure, highlighted at the top and right side is my college id profile, highlighted below that is the date that she shared with me on May 2 and the highlighted on the left side is Purnima Goasin (BD) who shared the file with me based on the project. She was having issues with using GitHub and I needed to check backed and fronted development either both development code is working well or not. So, I suggest she share the file via Gmail on that condition.

Communication and file-sharing were necessary but without pair programming, it was impossible to build this project. Since physical pair programming was not possible we had pair programming via Viber. And more, we also share the file through Viber.



In this figure, Purnima Goasin (BD) is sharing the screen of her works. She was not satisfied with the about page. As a frontend developer, I suggested her to had some CSS in it. Although there was no change in it, I suggested having pair programming.

As I said, pair programming is very important. We did pair programming with each other (3 developers). We used google meet to have communicated and had pair programming with each other. We had pair programming because to maintain code file together and make sure frontend development and backend development is working properly.

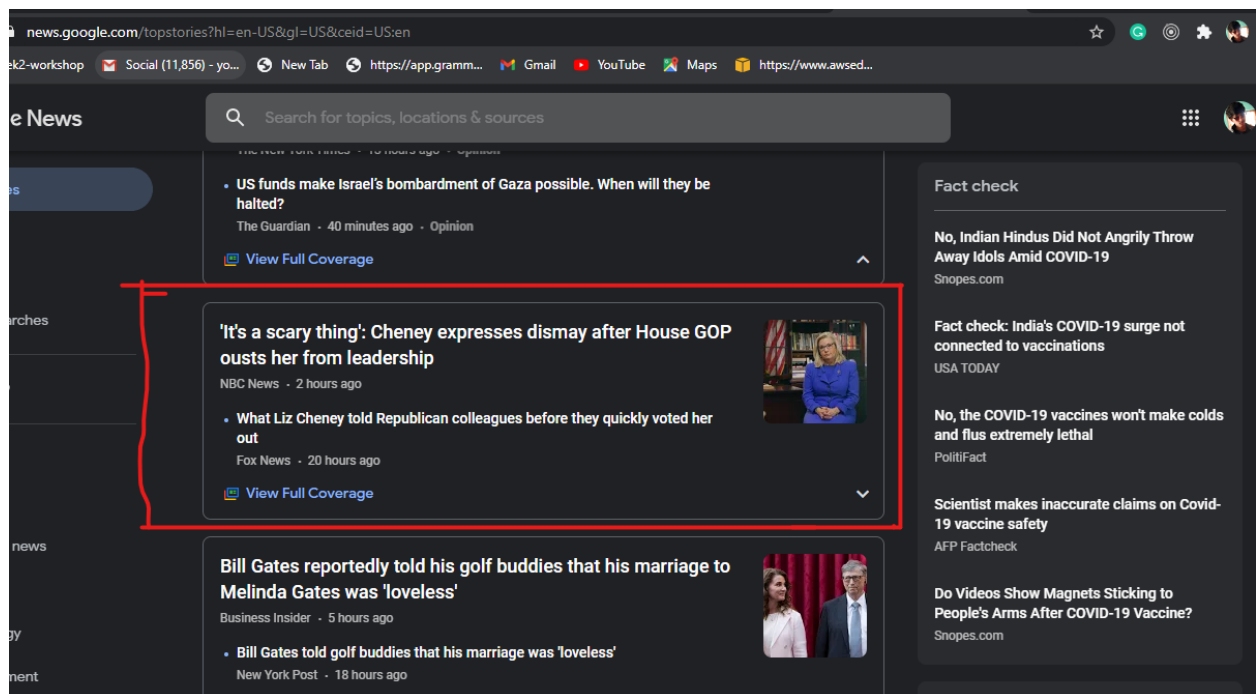


In this figure, Purnima Goasin (BD) is presenting her screen while using GitBash. Lopsang Lama (BD) and Yogesh Shrestha (FD) helping her to do the proper way of using GitHub. Not only helping with version control but also helping with coding. If you look at the message details, you can see the history I (FD) helped to maintained frontend development.

Evidences of Continuing Personal Development (CPD)

To build a working tax calculator system I did research. I searched for some sample designs, accordion pages, some CSS properties, Responsive CSS. With the limitation of the human mind, it was not possible to build this project. So, I did many types of research to develop this website. I used various resources i.e. google, website, and online course to build this project. I also researched on way to install Django language and the way to run Django or python. It was necessary for the development of this project and collaboration with teammates. As I am a frontend developer I do not need to know about backend development. But, it is necessary to have little knowledge and way to run using Django or python for better development of this work.

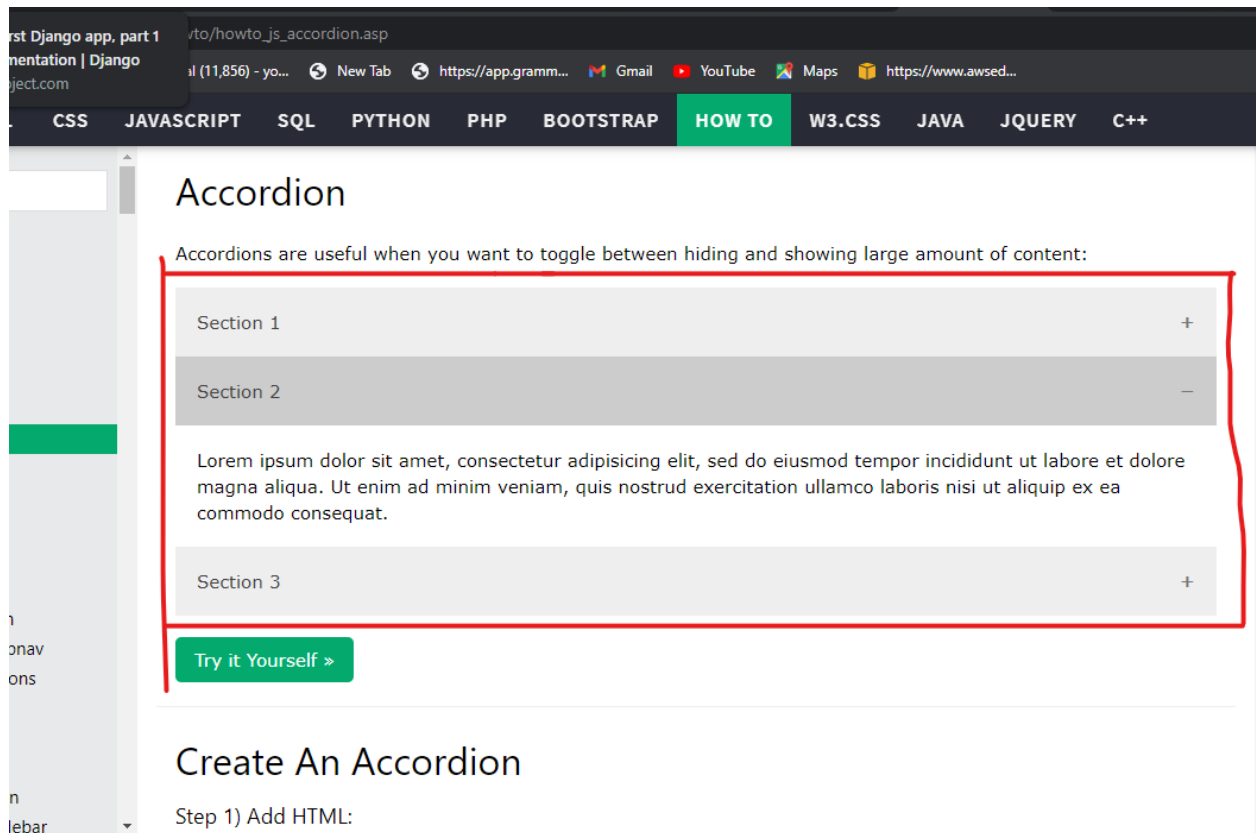
The provided wireframe was not enough. So, I research some design sample to build the webpage. I searched many websites for the sample and then I found this.



(Google News, n.d.)

In this figure, the highlighted part shows the sample design of a certain section that contains a box. Inside that box heading tag, a paragraph tag with a short description and button to view news. I used this design to create a new page of the website.

While creating a website, I needed to create an FAQs page, I searched for accordion where I found a way to make FAQs page. I learnt about CSS that is needed for style and java scripts which are necessary to build it. After learning this, I used this knowledge at developing the FAQs page on the project.



(W3 School, n.d.)

In this figure, this design is implemented on the project of FAQs page. And some code is used as a reference while developing the faqs page.

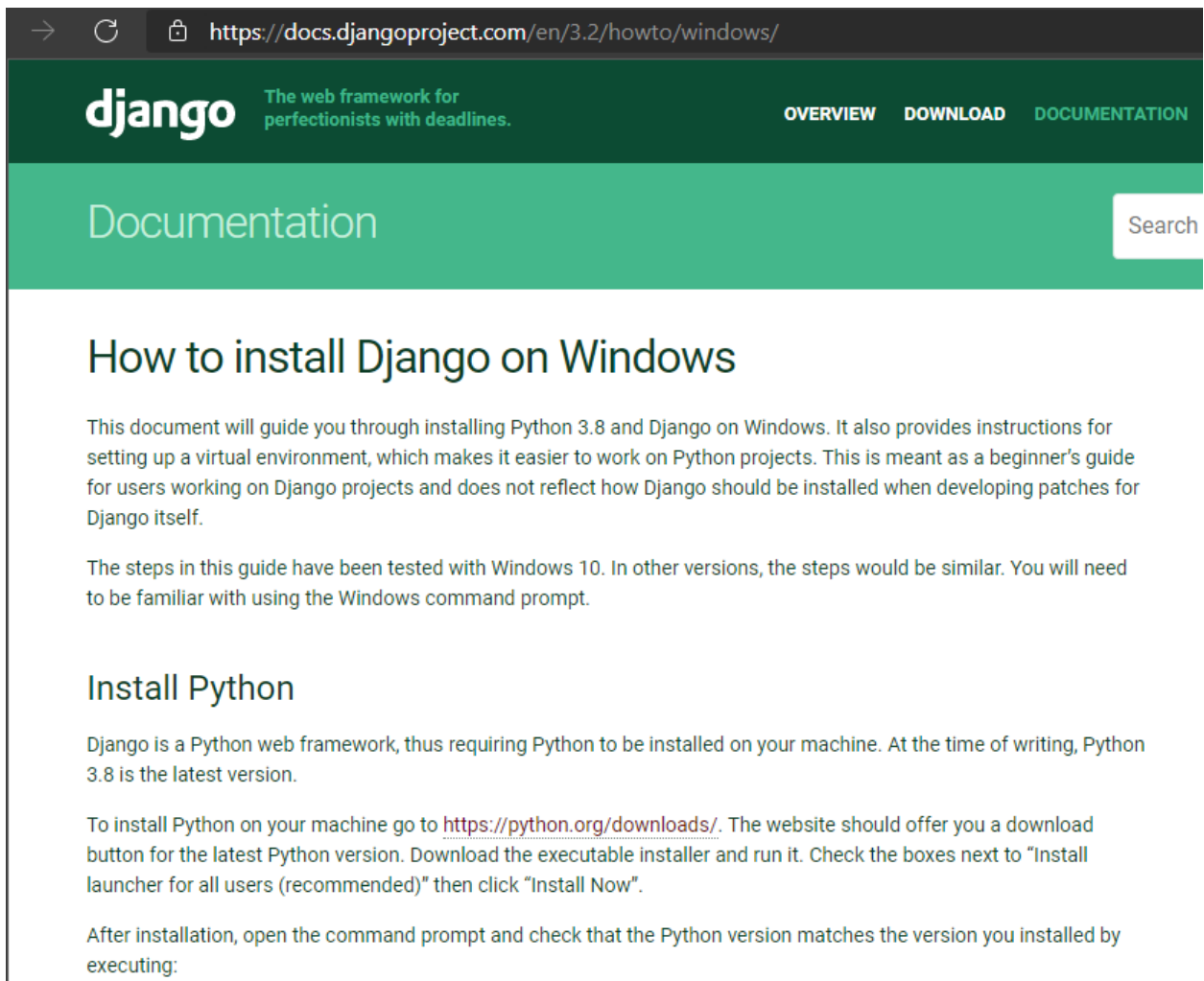
While researching on developing proper CSS style, I discover there is a visibility property that allows making certain class hidden or visible. This information was very helpful. I used this knowledge to make things visible and not visible. While making a responsive website, I used this property to make navigation text hidden and navigation icon visible. If I want to make the class disappear, I simply need to add the property as visibility: hidden, and if I want to make the class appear, I simply need to add the property as visibility: visible.

The screenshot shows the MDN Web Docs page for the 'visibility' CSS property. The page title is 'visibility'. The main content area contains a description: 'The **visibility** CSS property shows or hides an element without changing the layout of a document. The property can also hide rows or columns in a `<table>`.' Below this is a 'CSS Demo: visibility' section. The demo has a 'Reset' button and a preview area showing two blue boxes labeled 'Item 2' and 'Item 3'. The demo area is divided into three sections, each with a text input field for CSS code. The first section contains 'visibility: visible', the second contains 'visibility: hidden;', and the third contains 'visibility: collapse;'. A red rectangular box highlights the first two sections, and a blue rectangular box highlights the third section. Below the demo area, there is a note: 'To both hide an element and remove it from the document layout, set the `display` property to `none`.'

(MDN Web Docs, n.d.)

In this figure, the highlighted parts show the CSS properties that learnt and used while developing this project. This website was really helpful.

To develop a successful project, frontend development was not enough. To collaborate with team members and make a complete website, I learnt to install and run Django to collaborate with team members and make it easy while doing the project.



The screenshot shows a web browser window with the URL <https://docs.djangoproject.com/en/3.2/howto/windows/>. The page header features the Django logo, the tagline "The web framework for perfectionists with deadlines.", and navigation links for "OVERVIEW", "DOWNLOAD", and "DOCUMENTATION". Below the header, a green banner displays the word "Documentation" and a search bar. The main content area has a heading "How to install Django on Windows". The text explains that the document guides through installing Python 3.8 and Django on Windows, also covering virtual environments. It notes that the steps are tested on Windows 10. A sub-heading "Install Python" follows, stating that Django requires Python 3.8. Instructions are provided to download Python from <https://python.org/downloads/>, including checking boxes for "Install launcher for all users" and "Install Now". Finally, it advises opening the command prompt to verify the Python version.

→ ↻ <https://docs.djangoproject.com/en/3.2/howto/windows/>

django The web framework for perfectionists with deadlines. **OVERVIEW** **DOWNLOAD** **DOCUMENTATION**

Documentation

How to install Django on Windows

This document will guide you through installing Python 3.8 and Django on Windows. It also provides instructions for setting up a virtual environment, which makes it easier to work on Python projects. This is meant as a beginner's guide for users working on Django projects and does not reflect how Django should be installed when developing patches for Django itself.

The steps in this guide have been tested with Windows 10. In other versions, the steps would be similar. You will need to be familiar with using the Windows command prompt.

Install Python

Django is a Python web framework, thus requiring Python to be installed on your machine. At the time of writing, Python 3.8 is the latest version.

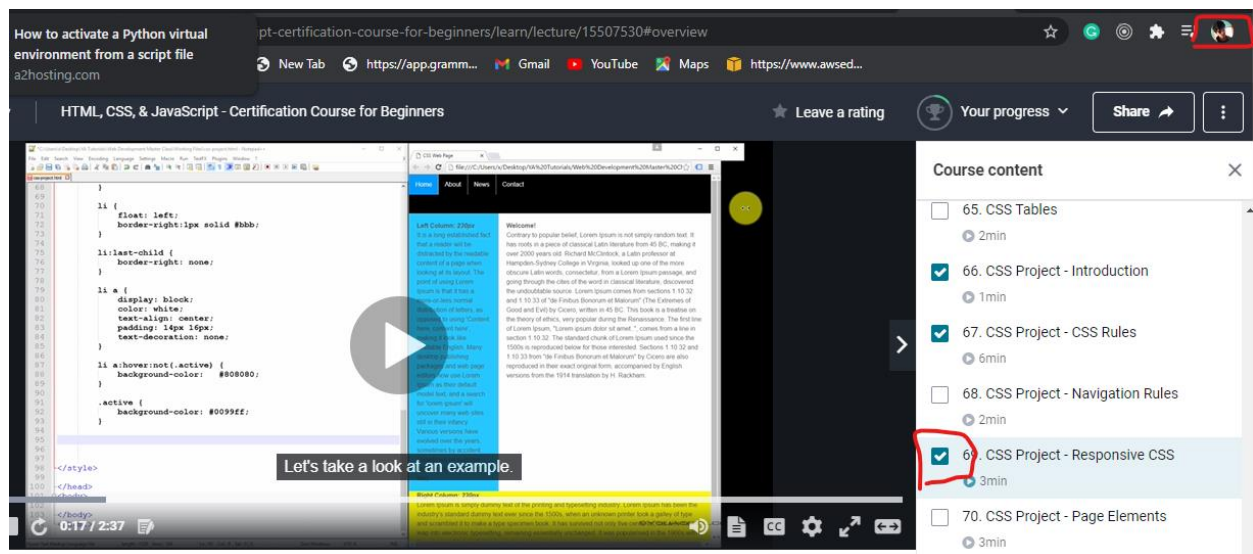
To install Python on your machine go to <https://python.org/downloads/>. The website should offer you a download button for the latest Python version. Download the executable installer and run it. Check the boxes next to "Install launcher for all users (recommended)" then click "Install Now".

After installation, open the command prompt and check that the Python version matches the version you installed by executing:

(Django, n.d.)

In this figure, the Django documentation page is shown, which is helping the user to install Django. it is recommending user install python first.

The website was developed but was not developed with responsive CSS. So I learnt to develop responsive CSS in the Udemy website. I learnt about @media and max-width to make it responsive for mobile, tablet. Then, I used this knowledge to build a responsive website for this project.



(Udemy, n.d.)

In this figure, the top and the right side shows my college profile picture and the below-highlighted mark shows the video I watch at udemy.

Evidences of Issue tracking

There is no guarantee that the developed project will not have any issue. While working on this project many difficulties occurred. By solving those difficulties and problems the developed work is submitted at GitHub. After sharing the project with team members, we found issues on project. The following issue is occurred and solved while developing this project.

The work tasked was submitted at GitHub, thought everything is ok but Punima Goasin (BD) found that the output value does not show in the proper place. Before submitting work, there was not this issue. But later, on (BD) work there was an issue with it. I checked on Purmina's code then find out, there was an output tag that is making this problem.

The screenshot shows a GitHub issue page with a dark theme. The issue title is "Amount is not in proper format #5" and it is marked as "Closed". The issue was opened by "purnima-poo" 6 hours ago with 2 comments. A comment from "purnima-poo" includes a screenshot of a "Result" section with a table. The table has two columns: "Particulars" and "Amounts". The rows are "Total annual income:", "Total Deduction:", and "Total Tax:", all with values of "0". Below the table, the text says "Please fix this 'amount' alignment in result section". Another comment from "purnima-poo" states "Yogeshshrestha assigned Yogeshshrestha 6 hours ago". A comment from "Yogeshshrestha" says "this one looks troublesome". A final comment from "Yogeshshrestha" says "after understanding some code it was piece of cake to fix fixed it".

Amount is not in proper format #5
Closed purnima-poo opened this issue 6 hours ago · 2 comments

purnima-poo commented 6 hours ago

Particulars	Amounts
Total annual income:	0
Total Deduction:	0
Total Tax:	0

Please fix this "amount" alignment in result section

purnima-poo assigned Yogeshshrestha 6 hours ago

Yogeshshrestha commented 6 hours ago
this one looks troublesome

Yogeshshrestha commented 10 seconds ago
after understanding some code it was piece of cake to fix fixed it

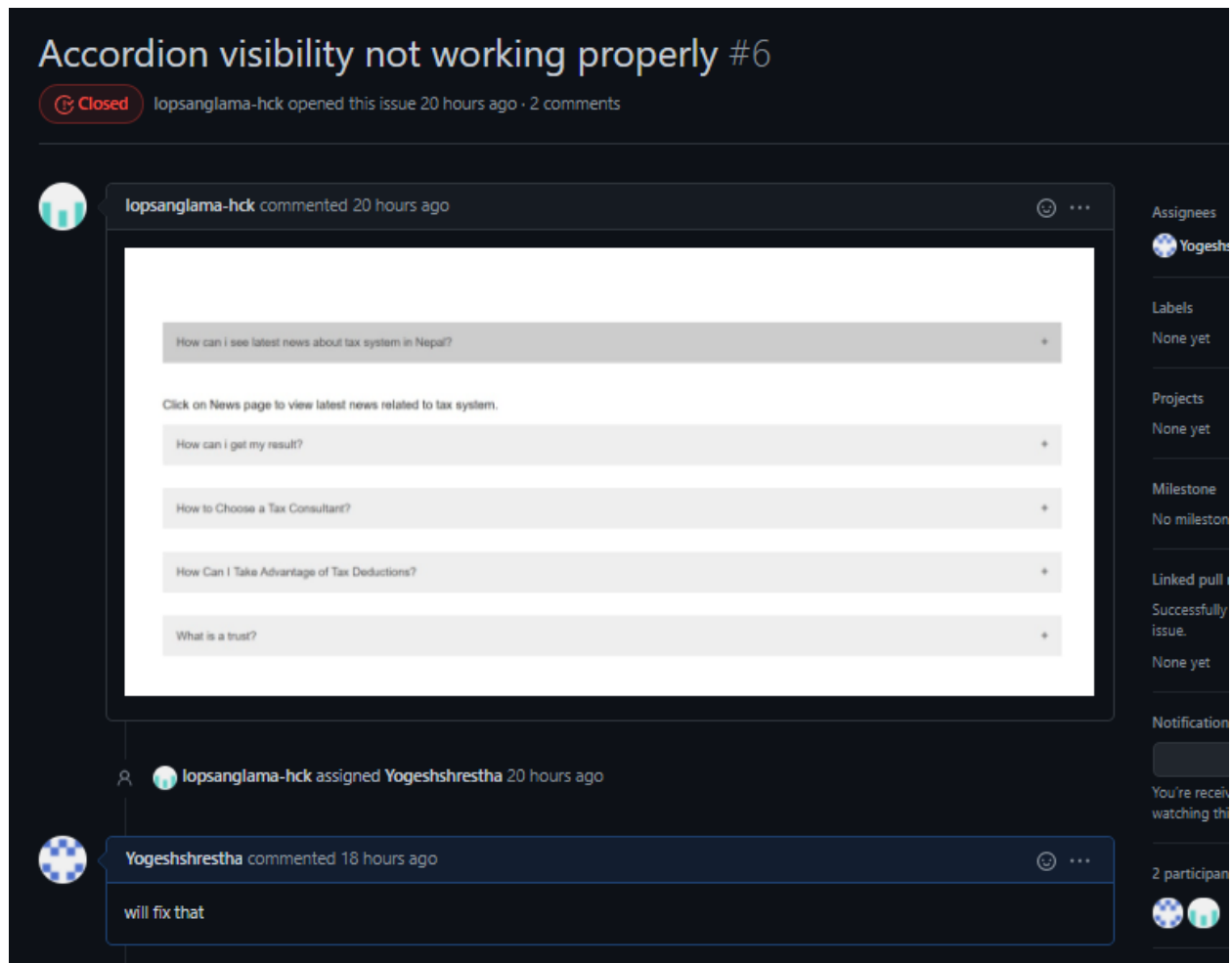
In this figure, Purnima Goasin (BD) assign me tasked to fix this issue giving the title “Amount is not in the proper format”. First, I thought that the problem will be hard to fix but after checking and understanding the code it was easy to fix. Then, I closed that issue after fixing it.

The work was done and submitted but the heading and paragraphs are not formal. After finding that informal BA assigned me a task to make it formal providing information to add.

The screenshot shows a GitHub issue interface. At the top, the issue title is "Write proper news in place of lorem porem #4", which is highlighted with a red box. Below the title, it says "Closed" and "bishal1919 opened this issue 11 hours ago · 2 comments". A comment from "bishal1919" is shown, also highlighted with a red box, stating "commented 11 hours ago". The comment contains a screenshot of a web application titled "Tax Calculator System". The web application has a form with sections: "Basic Information" (Marriage status: Married, Fiscal Year: 2074/75, Gender: Male, Residential: Resident), "Annual Income" (Salary: 100000, Allowance, Bonus, Others), and "Deduction" (Provident Fund: 10000, Donation, Citizen Investment Trust, Medical Expenses). To the right of the form is a "Latest News" section with three identical entries, each titled "Tax news heading" and containing Lorem Ipsum text. This section is also highlighted with a red box. Below the screenshot, another comment from "bishal1919" is visible, stating "assigned Yogeshshrestha 1 hours ago". At the bottom, a comment from "Yogeshshrestha" is shown, stating "commented 6 hours ago".

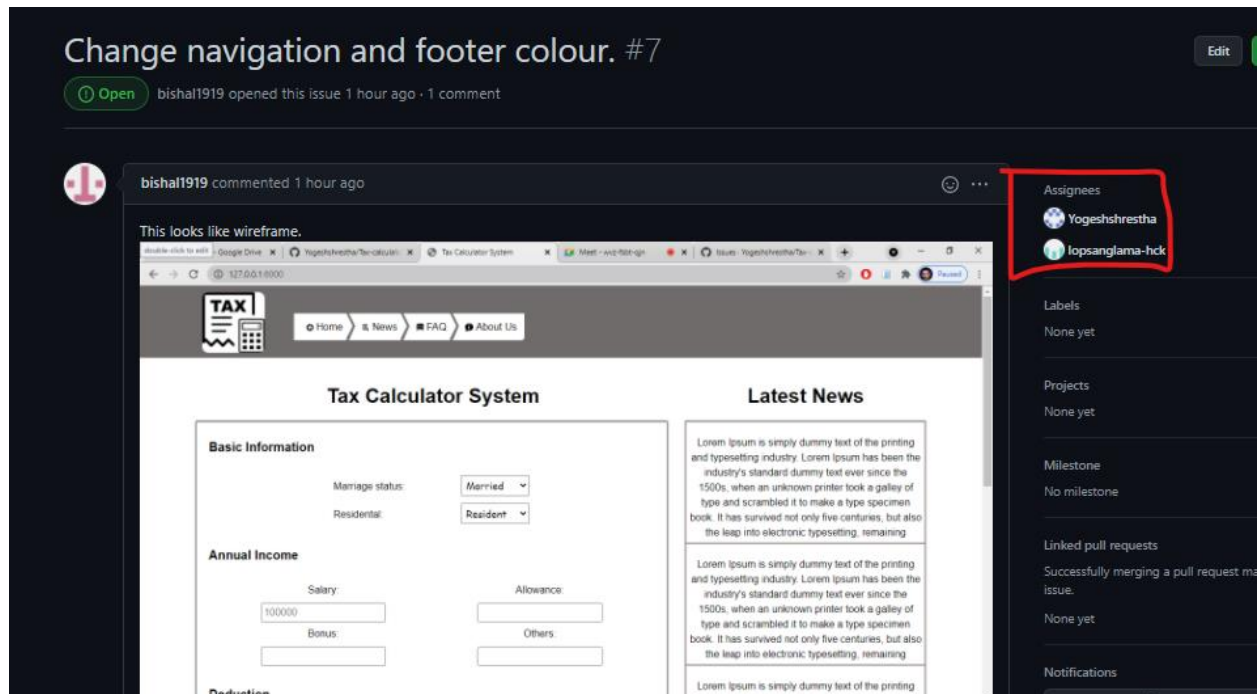
This figure shows informal information of news. The task was assigned as “write proper news in place of lorem porem”. The task was assigned to me. Then, by writing proper information this issue was fixed.

In FAQs page, there founded another issue by Lopsang lama (BD). He assigned to task to fix issue of +, - problem. There was issue that when clicking at accordion does not response as – form +. I needed to fix that. Then, I checked for coding.



In this figure, lopsang lama (BD) assigned me the task to fix accordion visibility not working issue. I checked the code, then found the added – sign is not working. After giving an accurate location of class it worked and the issue was fixed.

The next issue was with the background colour of the header and footer. Every design was looked like a wireframe. To make the website more attractive I changed the font colour of the website.



In this figure, this issue was assigned by BA to BD and FB. As FB is changed the font colour to which was blue type colour. And BD suggested I use blue type colour to fix this issue.

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