

COMP1021: INTRODUCTION TO WEB TECHNOLOGIES

COURSEWORK – 2

TODO LIST

CONTENTS :

1. Design

- Layout of each web page
- Justication of each web page
- Wire frame model

2. Description of models implemented

- 3 – Tier Architecture

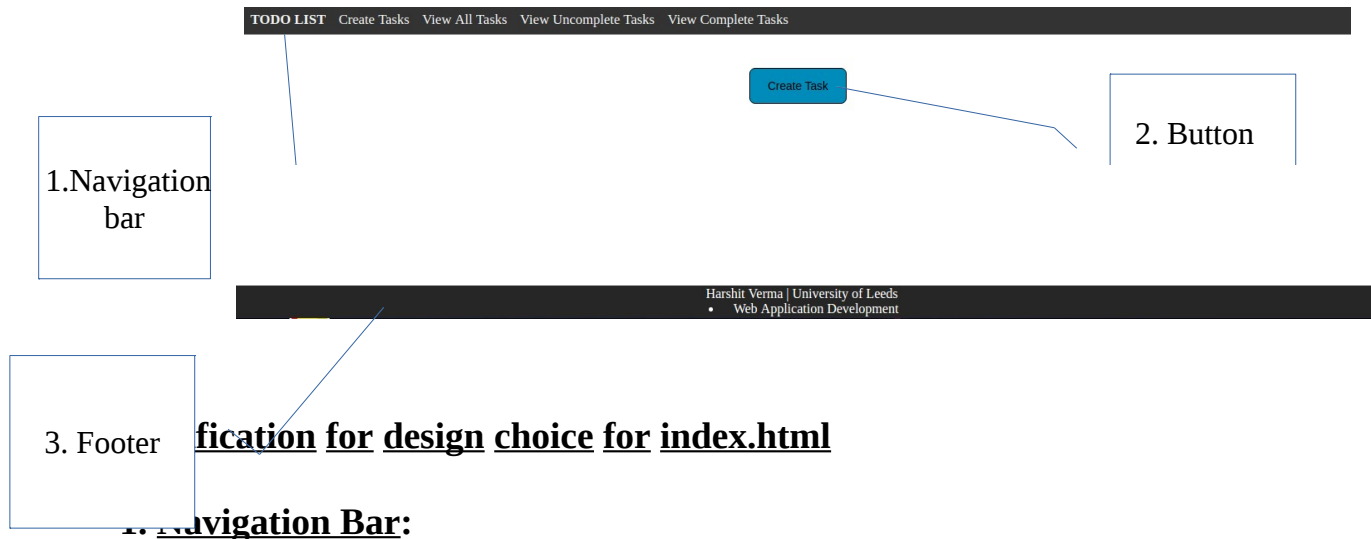
3.Evaluation of implementation

- Recommendation (How to improve/impact the website)
- Test Plans

4. Reference

DESIGN

● Layout of the index.html page



1. Navigation Bar:

I used horizontal navigation bar style as it looks modern and interactive due to being collapsible. This allows the users to interact with the site and to view the pages without the navbar overlapping the content. I used black background and white font color. I also used the hovering system for navigation bar. The colors I used were black, grey and white as there is contrast so it is visually appealing as well as it being simplistic suiting my design. The colors are used across the site and are consistent with my design theme. The fonts are large and easy to read as well as being spaced out so it can easily be selected. The navbar has all the multiple pages so that the users can navigate easily.

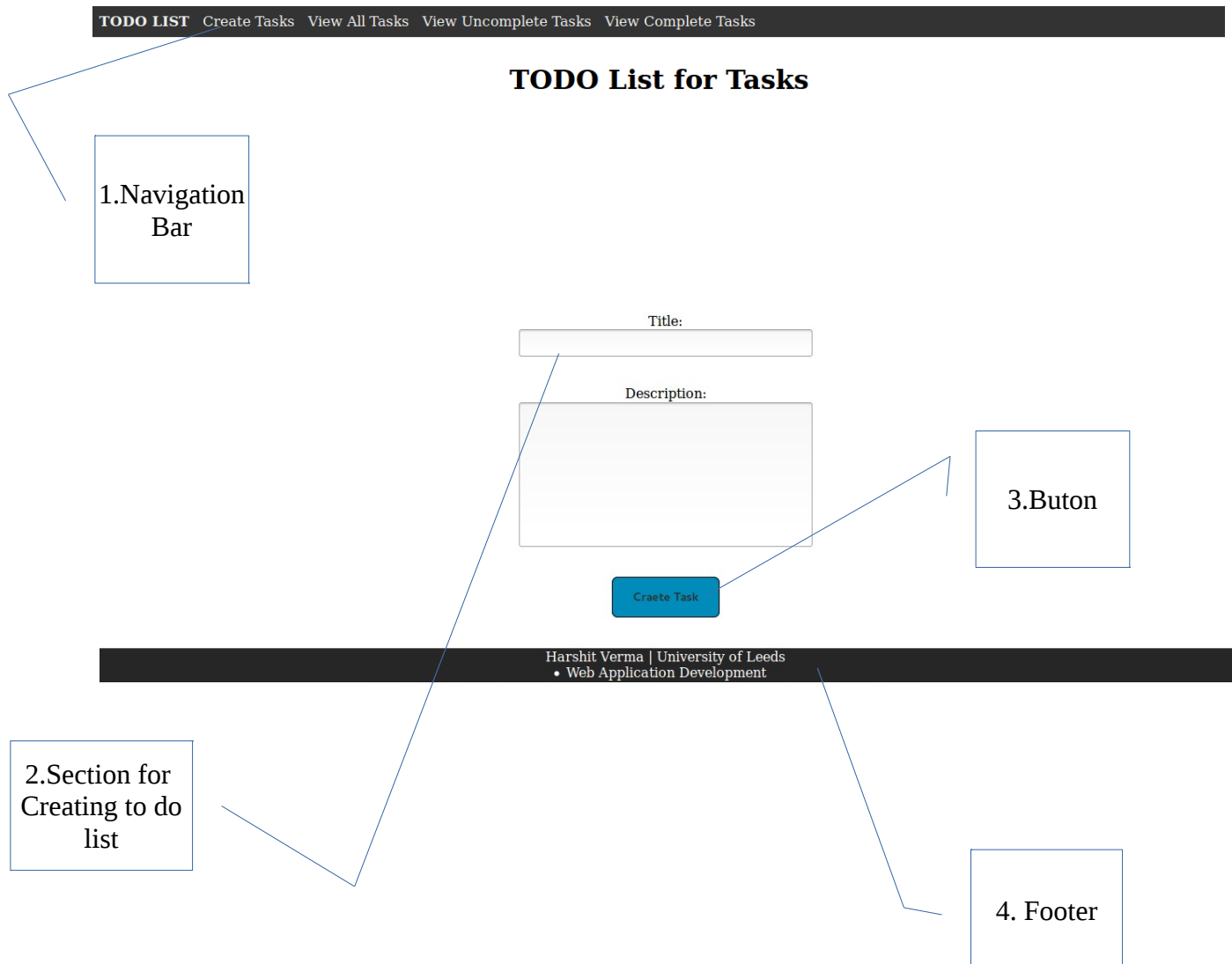
2. Button:

I used a blue button for creating different tasks and also added the background shadow and hovering system in a button which allows the users to interact with the 'Create Tasks.html' page where user can create to do lists. The colors I used were blue and light grey for hovering, as there is contrast so it is visually appealing as well as it being simplistic suiting my design.

3. Footer :

In footer section I entered the some basic information as this is another common appearance element of most websites. This makes it look professional. I used the same black, grey and white colors according to my design.

- **Layout of the Create_Tasks.html page**



Justification for design choice for Create_Tasks.html

1. Navigation Bar:

The nav bar is consistent throughout the website, this to keep a professional manner and would allow it to look more appealing to a wider range of audience. The way the navigation bar is set consistent is because majority of professional websites also have a similar setup. Consistency shows a professional manner, by allowing the navigation bar to remain consistently same it would allow people to recognise my website as being efficient and consistency provides fluidity too.

2. Section for the to do list for Tasks :

This section allows the users to create to-do-lists through the use of the databases. This will allow the main feature of the website to work, which is for to-do-list

creation. Users will find this to be simple and straight forward when they create it, it will allow them to also create as many as they wish. I used the same color pattern for this section as well.

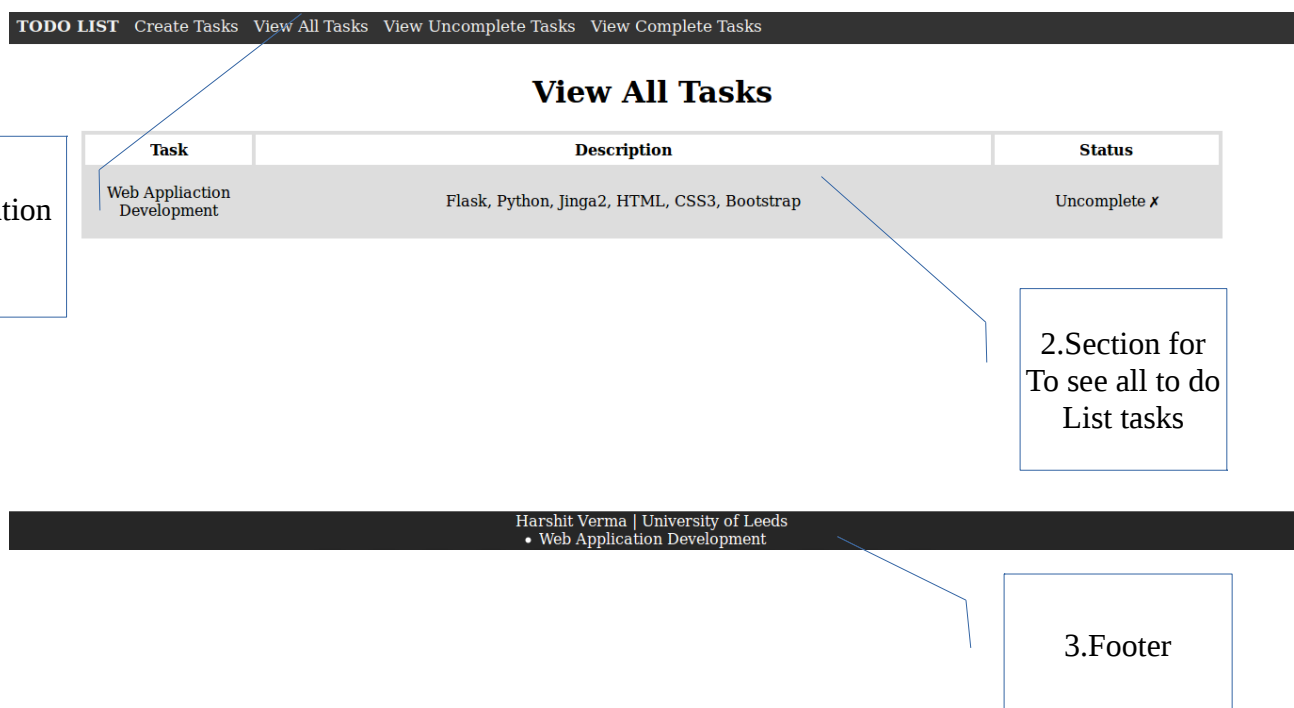
3. Button :

I used a blue button for creating different tasks and also added the background shadow and hovering system in a button which allows the users to interact with the 'View_All_Tasks.html' page where user can see there all to do list tasks. The colors I used were blue and light grey for hovering ,as there it contrast so it is visually appealing as well as it being simplistic suiting my design.

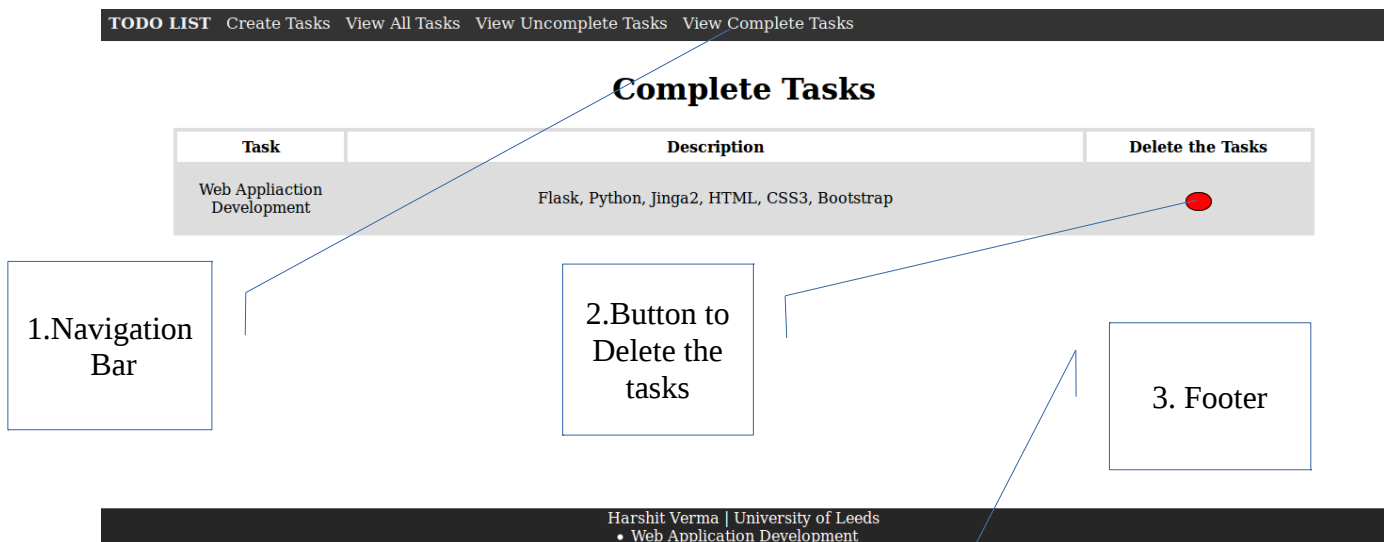
3. Footer :

In footer section I entered the some basic information as this is another common appearance element of most websites. This makes it look professional. I used the same black, grey and white colors according to my design.

- **Layout of the View_All_Tasks.html page**



Justification for design choice for View All Tasks.html



1. Navigation Bar :

The nav bar is consistant throughout the website, this to keep a professional manner and would allow it to look more appealing to a wider range of audience. The way the navigation bar is set consistant is because majority of professional websites also have a similar setup. Consistancy shows a professional manner, by allowing the navigation bar to remain consistantly same it would allow people to recognise my website as being effieicent and consistancy provides fluidity too.

2. Section for to see all the to do lists tasks :

This section allows for the saved to-do-lists to be saved here, the database that creates the tasks are then saved on this section, this section also allows you to view the all the tasks which are saved here along with all of the information the user wrights to view after. The design is simple and consitant throughout the website, I believe this factor allows for the professional manner to remain on the website.

3. Footer :

Same as all all other web pages in the website.

- **Layout of the View Complete Tasks.html page**

TODO LIST Create Tasks View All Tasks View Uncomplete Tasks View Complete Tasks

View Uncomplete Tasks

Task	Description	Complete the Tasks
Web Appliaction Development	Flask, Python, Jinga2, HTML, CSS3, Bootstrap	<input type="radio"/>

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• Web Application Development

Justification for design choice for View Uncompleted Tasks.html

1. Navigation Bar:

The nav bar is consistant throughout the website, this to keep a professional manner and would allow it to look more appealing to a wider range of audience. The way the navigation bar is set consistant is because majority of professional websites also have a similar setup. Consistancy shows a professional manner, by allowing the navigation bar to remain consistantly same it would allow people to recognise my website as being effieicent and consistancy provides fluidity too.

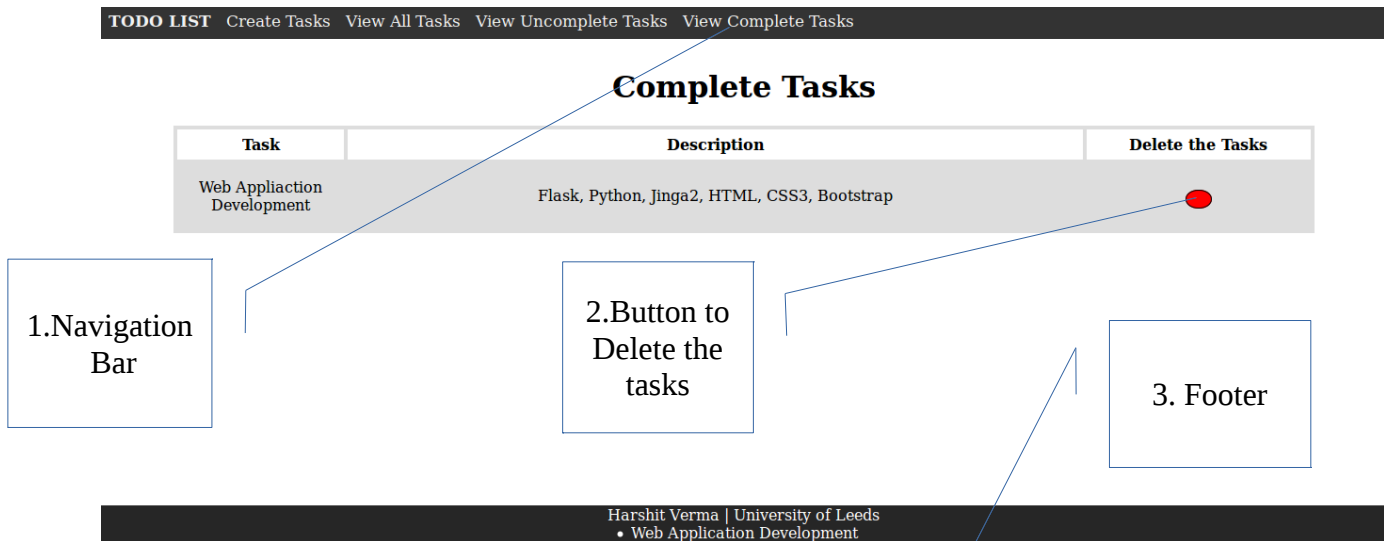
2. Button for to mark the task as complete :

This section allows the users to view all incompeted tasks in the to do lists and I also provided a button which is in the colour blue and allows the user to mark the tasks as complete.

3. Footer :

Same as all all other web pages in the website. Keeps the consistancy throughout the whole website. Consistancy keeps the professional manner.

- **Layout of the View Complete Tasks.html page**



Justification for design choice for View Uncompleted Tasks.html

1. Navigation Bar:

The nav bar is consistant throughout the website, this to keep a professional manner and would allow it to look more appealing to a wider range of audience. The way the navigation bar is set consistant is because majority of professional websites also have a similar setup. Consistancy shows a professional manner, by allowing the navigation bar to remain consistently same it would allow people to recognise my website as being effiecent and consistancy provides fluidity too.

2. Button for to delete the tasks :

This section allows the users to view all competed tasks in the to do lists and I have also provided a button which is in the colour red and allows the user to delete the tasks from this very page and database.

3. Footer :

Same as all all other web pages in the website. Keeps the conistency throughout the whole website. Consistancy keeps the professional manner.

WIRE-FRAME MODEL

index.html

NAVIGATION BAR

BUTTON

FOOTER

Create_Tasks.html

NAVIGATION BAR

TITLE

DESCRIPTION

BUTTON(Create Yask)

FOOTER

View_All_Tasks.html

TASKS	DESCRIPTION	STATUS
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View_Uncompleted_Tasks.html

TASKS	DESCRIPTION	STATUS
		<div></div>

View_Completed_Tasks.html

NAVIGATION BAR

TASKS

DESCRIPTION

STATUS



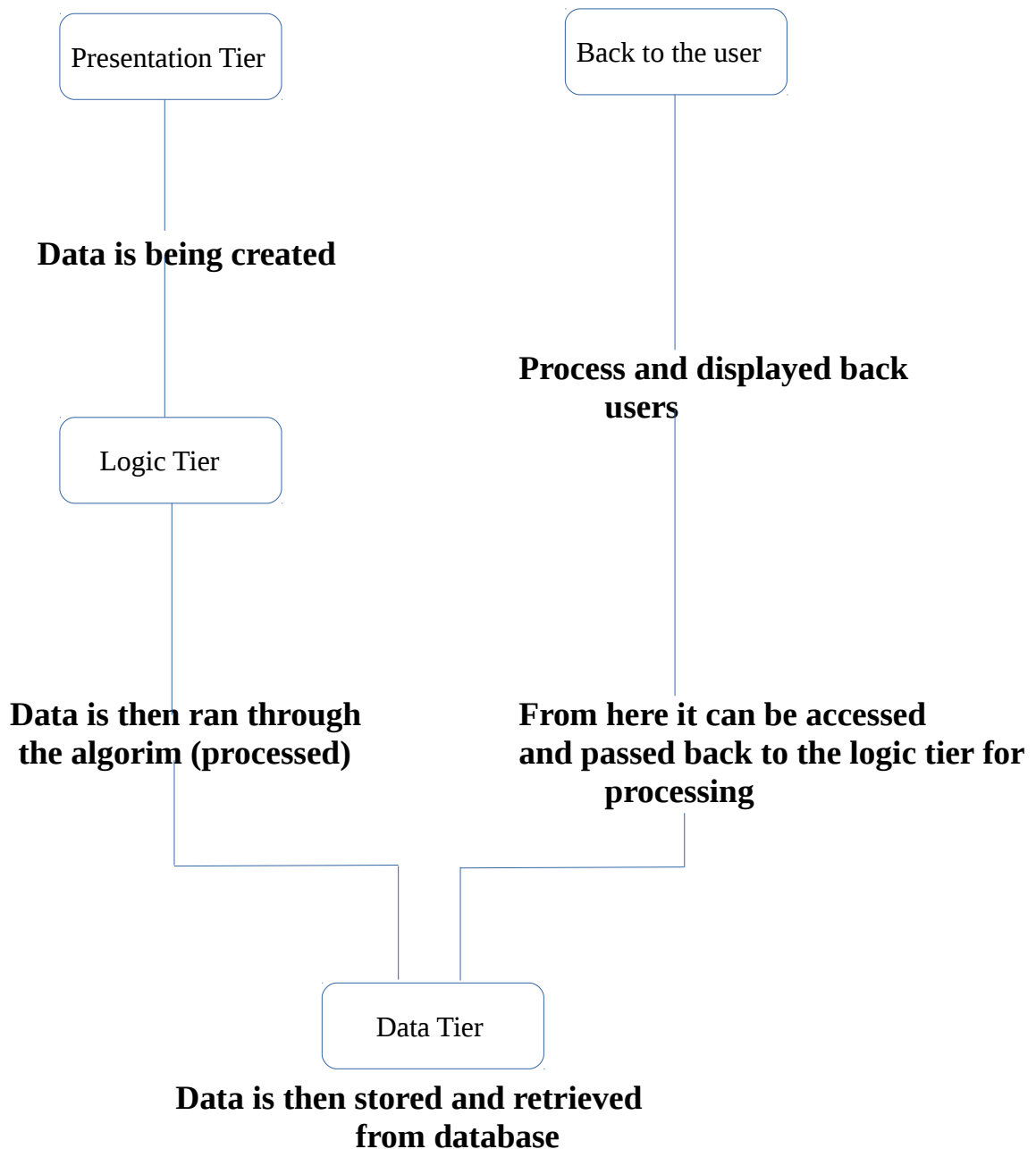
FOOTER



DESCRIPTION OF MODELS IMPLEMENTATION

3 – TIER ARCHITECTURE

The presentation tier allows the front end of the application to be used, this is where the user would select what to store inside the database, and then would be sent to the **logical tier**, this is where the end of the program is taken into action and then the data is sent to the **data tier** where it is interpreted and used within the database and stored. For example of these three tiers combined this would be the user makein a note and then the software runs built into the database and it is then sent and stored into the database side for the user to then decide what happens and how long it remains there.



EVALUATION :

TEST PLAN

S.NO	TEST	EXPECTED	ACTUAL
1.	Test for links	All links are working	All links are working as they should
2.	Test hover feature in CSS	All hovering features in all web pages should work properly.	Hovering features are working as they should
3.	Test for navigation bar	Every navigation bar should connect to different pages and from every page user should be able to navigate to every other page of the website.	Navigation bar is working properly as it should.
4.	Test for button in web pages	Button should complete the assigned task	Buttons of every web page are working as they should.
5.	Test for text being displayed correctly	All displayed text should be the correct format in terms of font, font size, colour, style, margin, family and alignment.	Text of every content section of web pages are working fine
6.	Test for each and every section to display the correct background colours/images	The correct CSS background colours to be displayed in each section	Background colours are working fine as they should.
7.	Test for view.py	Every function should work properly.	Every function is working properly as it should.
8.	Test for module.py	Each model should work properly for database.	Each model is working properly for database as it should.
9.	Test for form.py	Each form for database should work properly	Every form for database is working

			properly as it should
10.	Test for all html files.	Every html should work properly	Every file of html is working properly as it should.

Recommendation (How to improve/impact the website)

I added these extra features to make the site as visually appealing as I could as well as being compatible with other devices other than the one I used to create it. These feature add to professionalism and enhanced the website. The navigation system was much better as users could collapse the navbar to ensure content was not being overlapped. Even though I added more content I ensured the website theme was prevalent throughout.

I will add more jQuery and JavaScript elements. This would make the site more dynamic. I would add more proper colour to make it more appealing and visually enhanced. I would add some other extra features for to do list to make it more advance and keep it interesting and interactive. I would also add more content and include more features where the user is more engaged.

Another recommendation would be to asses the site and get some feedback from some users before I finalise the site thus I am able to get the users input and implement solutions or tackle any confusion caused.

REFERENCES

- www.w3schools.com/
 - <http://flask.pocoo.org/>
 - <https://soc-dm.leeds.ac.uk/module/18/listing> (Dr. Sam Wilson)
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