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Contents

1.	Introduction3						
2.	Pact Analysis3						
3.	. User Profiles4						
4.	. Task Analysis Diagram5						
5.	. Lo-Fidelity Prototypes6						
6.	Design Principles used and justification13						
6	5.1	Discoverability :					
6	5.2	Feedback :13					
6	5.3	Mapping :					
6	5.4	Affordances :					
6	5.5	Constraints:					
6	6.6	Signifiers:14					
6	5.7	Conceptual Model:14					
7.	7. Prototype						
7.1 Technical specification & Screen Designs with descriptions15							
8.	8. Usability Evaluation Result						
9. Conclusion							
10.	10. References32						
11.	1. Workload Matrix33						

1. Introduction

This project is regrading to the modification of "HUFFPOST"(https://www.huffpost.com/section/us-news) news website. It is an American news and opinion website and blog that has localized and international editions. When we analyse the website, we recognized that it is poor in its design layout and user-friendliness, therefore we plan to develop the website's layout to a much more user-friendly and better layout. Furthermore, this report contains changes that we have done to make the website more attractive.

2. Pact Analysis

People

Age: Anyone Can Access but Target Crowd would be Elders (18+)

Gender: Male, Female

Education: Basic Education Level

Usability: Usage Depends on the users' interest on News, usually more than 20minutes

Activity

How: Access News about a vast variety of things like Politics, Celebrities, Entertainment, Special Projects, Videos, Communities and Lifestyle

Context

Where: Home, Office, Outings with Other Activities

Factors: Indoors, Outdoors, Noise/Quite, In Car/Bus

When: Daytime and Night Time

Technology

Computer, Mobile, Tablets

Touch Screen and Mouse Might Be Present and Might Be Not Present

Keyboard Present (Physical or Touch)

3

3. User Profiles

Who users are

Male, Female, Adults, Youngsters, Politicians, Professionals, Celebrities, normal people, product managers, businessman, sport players.

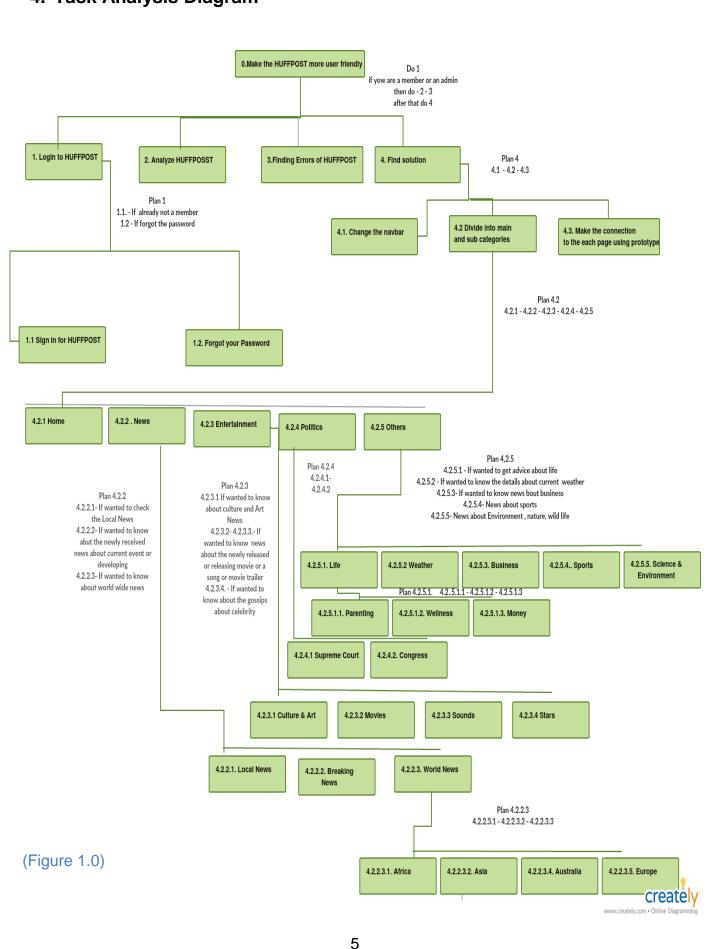
what is the goal in using the project

Know the news online ,Check the weather in any country at the current time, no cost , multitasking(people can read the news and do their work at the same time) , 24/7 updates , more news choice (can choose a the category you want to check the news since the website have news and variety of categories) , the existence of different view point , customization

what are the tasks involved? (observe existing work practices)

E.g.:- If you want to check the news, first login to our "HUFFPOST" website, then choose the category you want to check the news go and click on the category which is in the navbar (If you want to check the News go and click on the news in the home page navbar then it will go to the news page choose what news you want to check as an example if you want to check breaking news go and click on breaking news then you will go to the breaking news page after words read and get to know the news)

4. Task Analysis Diagram

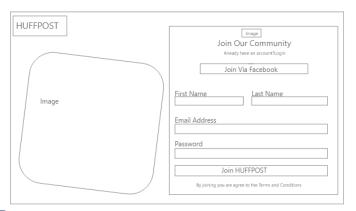


5. Lo-Fidelity Prototypes

01) Login Page



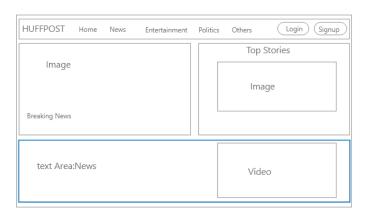
02) Sigh in Page



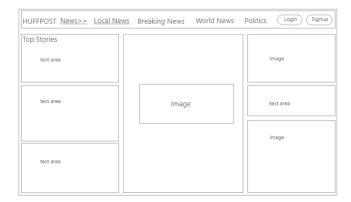
03) Forgot your password Page



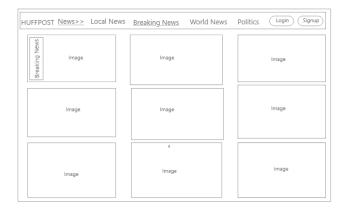
04) Home Page



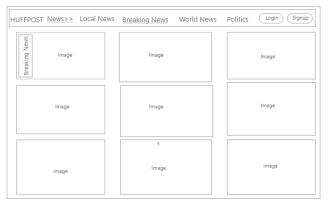
05) Local News Page



06) Breaking News Page



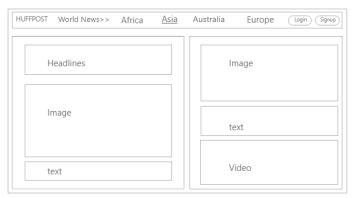
07) World News Page



08) News Category - World News - Africa



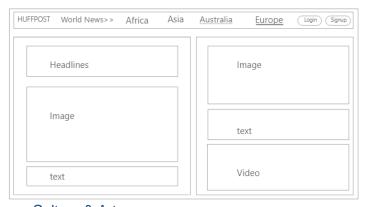
09) News Category - World News - Asia



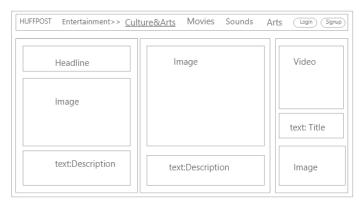
10) News Category - World News - Australia



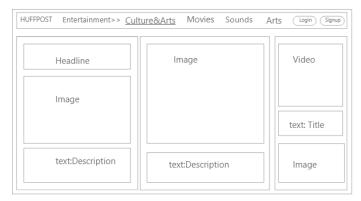
11) News Category - Wold News - Europe



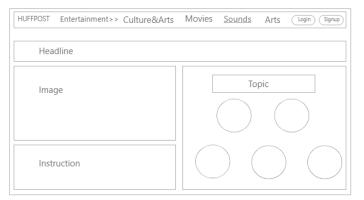
12) Entertainment Category - Culture & Art



13) Entertainment Category - Movies



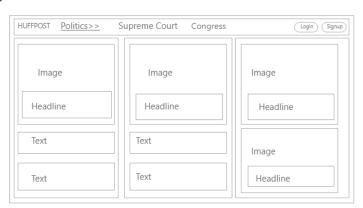
14) Entertainment Category - Sounds



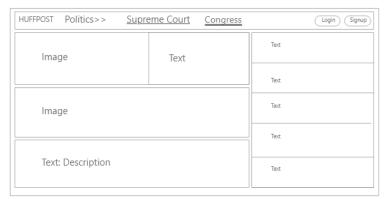
15) Entertainment Category - Stars



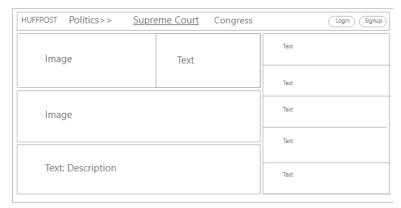
16) Politics Category page



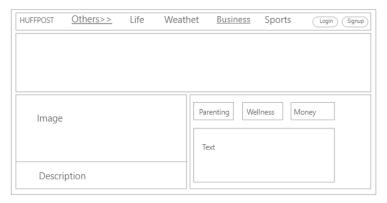
17) Politics Category - Congress



18) Politics Category – Supreme Court



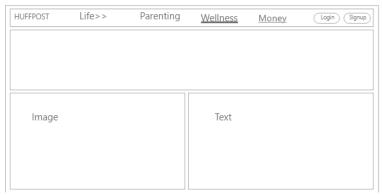
19) Others Category - Life



20) Other Category - life - Parenting



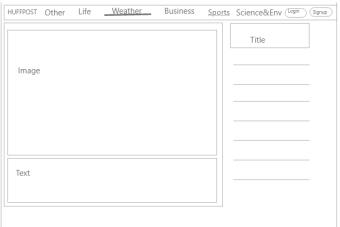
21) Other category - life - Wellness



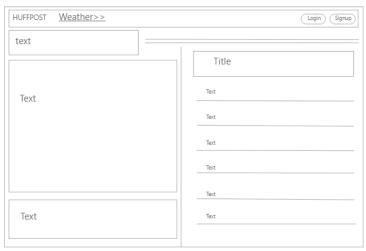
22) Other Category – life – Money



23) Other Category – Weather



24) Other Category – Weather – Weather



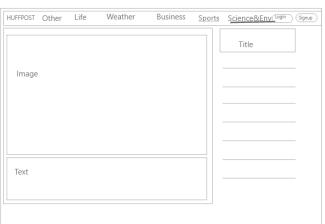
25) Other Category – Business



26) Other Category – Sports



27) Other Category – Science & Environment



6. Design Principles used and justification

In our HUFFPOST website we mainly consider about the Norman's Seven Principle, so in this section we are going to walk you through each of Don Norman's seven principles of designing interactions and how they are relevant with our webpage

6.1 Discoverability:-

- In our web page we use nav bar on the top of every page, so as soon as a person log to the web page they can select the section they want to check from the navbar.
- Some of the sections are hide until they needed to search, as an example if you click on the News
 in the nav bar it will redirect to the News section, till then the home page which consists with the
 news headlines would be visible to the viewer
- If only you go and click the logging button in the navbar it will redirect to the login form page.

6.2 Feedback :-

- When only viewer type his correct email and password in logging form viewer will redirect to the Home page
- Otherwise if viewer is not member viewer must first fill the form and join the HUFFPOST then only they will be able to logged in
- Without the correct password viewer wouldn't, able to log so viewer should first go to the forgot password page and change his password then only viewer would able to logged in
- In the home page when the viewer click the heading, or breaking news it will redirect to that specific news, As an example in the home page when viewer click on the spoiler alert it will redirect to the section which include the description of Game Of Thrones spoiler alert description

6.3 Mapping:-

- Rather than going around, in our HUFFPOST website we redirect the pages correctly, as an example when you click the category in the navbar it will redirect to the correct specific page.
- Furthermore, when the viewer clicks on the special boxes in the home page such as breaking news box it will redirect to that specific news

6.4 Affordances:-

- Rather than checking news viewers can take advice about parenting, money and wellness in the Life subsection which goes under Other main category
- Furthermore, can check for the new updates and trailers of movies, songs which is included in subcategories of Entertainment.

6.5 Constraints: -

- Such as in our website we use red colour labels for spoiler alerts, breaking news and for top stories
- As well as for the videos use blue colour labels so the viewer could understand it separately

6.6 Signifiers:-

• In breaking news category, we mentioned the number of viewers and the number of people who shared the news, so when the viewer goes to that his / her eyes first catch the news which shared or liked by the higher amount of people.

6.7 Conceptual Model:-

- In our website we use several conceptual models, we'll describe each and every point in here
 - First of all, when comes to the navbar according to user's choice we divide into four main categories, such as "News, Entertainment, Politics and Other"
 - ➤ In the "News" category we divided it into another three subcategories such as "Local News, Breaking News, World News" so the viewer can choose the specific category that they need to search
 - Furthermore, We divided the "World News" sub category in to another four more sub categories according to the continents, such as "Africa, Asia, Australia and Europe"
 - ➤ When come to the Entertainment, we mainly focus youngsters here who comes to search for the mew updates of movies , songs , gossips about celebrities and so on for that we divide the main category called "Entertainment" to another four sub categories called "Culture & Art , Movies , Sounds and Stars " , so viewer can go to the specific category as their desire
 - For the people who comes to the website not to see the news, but to get some advice, or to check weather and so on we added a main category called "Others", this man category would divided into another four sub categories called "Life, Sports, Weather and Science 7 Environments"
 - Son from this website we manage to succeed all the desired needs of the viewer as they expect from our website

7. Prototype

7.1 Technical specification & Screen Designs with descriptions

01)

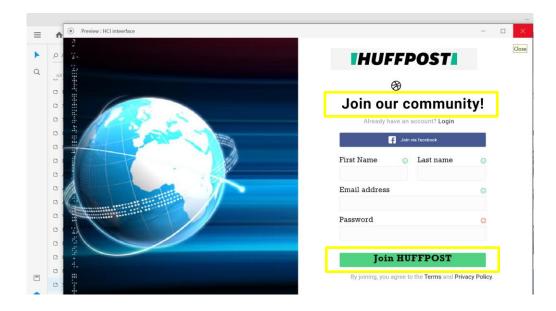
We have linked the login page to the forget password page, by any chance if someone had forgotten his / her password.



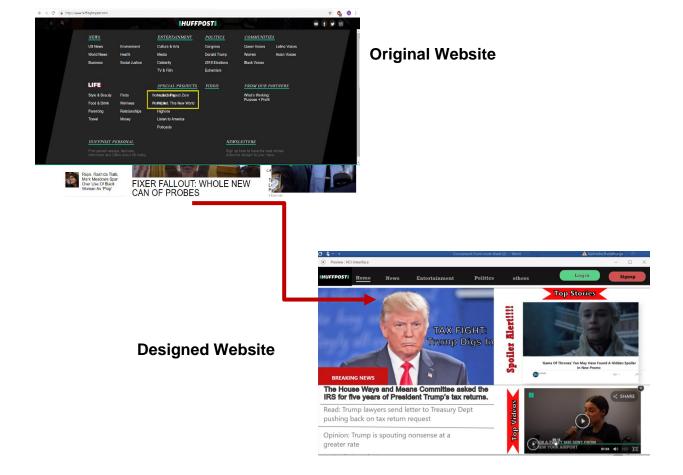
02)

If the person new to the website he/she can sign up to the website either through fb or either typing his or her details according to his or her desire,

- due to most of the people using Facebook now a days we manage to link our website to their Facebook account so rather than typing the website URL and search for the website when they "join via Facebook" they can get all the upcoming news as well.
- And for the people who do not have Facebook we put a sign-up form; therefore, they can sign up to our "HUFFPOST" website by typing his or her email and the password.
- In here by giving two options we mainly concern about human convenience, due to the busy schedule
 of their day to day life.

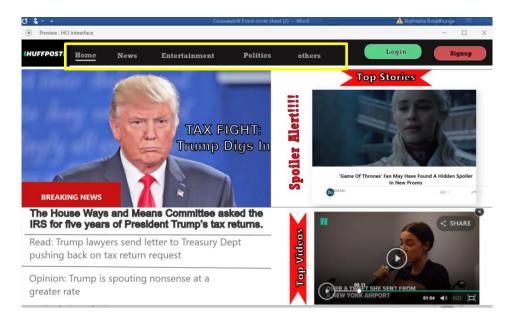


As shown in the below photograph some elements of the navigation bar overlap with each other leading to an unreadable layout, so we manage to categorize those elements into main categories and sub categories, so it will make easy for the people to go and check the related news that they want to check



We include the main categories in the homepage navbar, as highlighted in yellow as shown in the below photograph as the purpose of user friendliness.

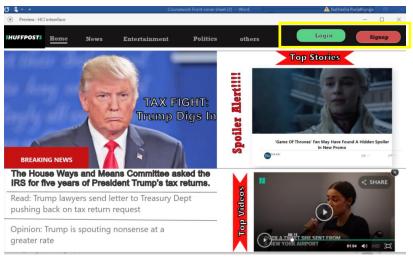
 And when you click on each category, you will directly go to the page which consist of news for that related category



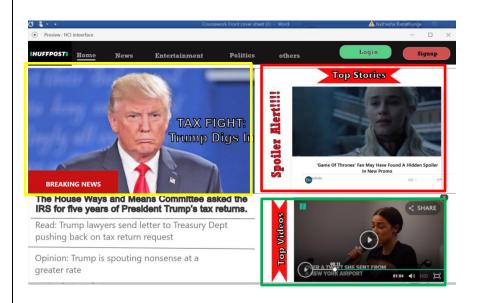
05)

We manage to include sign up and the login in navbar as shown below, so for the people who are interested in news they can sign up or login

 For the people who are sign up or login they get the notification of every updating news in every category, so rather than searching they can just click on the notification so they will directly go to that specific news



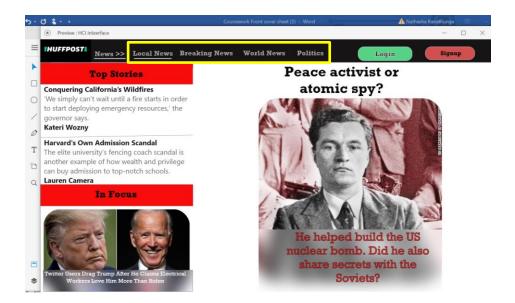
Furthermore, in the home page we included all the headlines of News, Top Stories, Spoiler alerts, Breaking News and so on, therefore when the people go and click on the specific headline it will direct to the page which consist of that specific. This will help people to save their time





When it comes to the "News" category to make more evident, we use divided it in to four more subcategories such as,

- Local News
- Breaking News
- World News
- Politics, as the purpose to make the website more user-friendly to the people



(80

Furthermore, when comes to the "World News", we again categories it in to four more categories according to the continents, such as

- Africa
- Asia
- Australia
- Europe

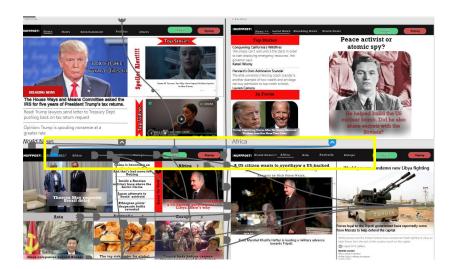


09)

When you go and click on the specific continent you will direct to the page which consist of the news which is related to that continent, which would easy for the people by being more specified.



When you go and click on the "World News" You will direct to the main "News Page", and when you click on the "News" you will direct to the home page. Rather than typing the URL again and go back to the Home page this is save the time of people and make things easy for the people.



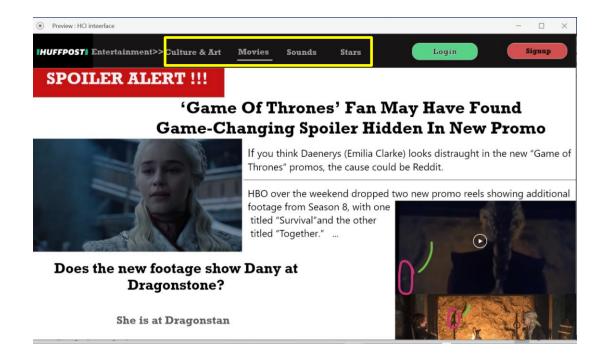
World News - News

News - Home

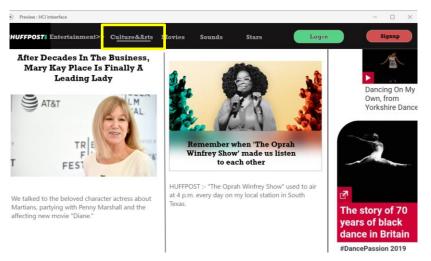


For the people who goes and search for gossips about celebrities and entertainment stuffs, we added a main category called "Entertainment" and moreover we divided it into four more sub categories such as

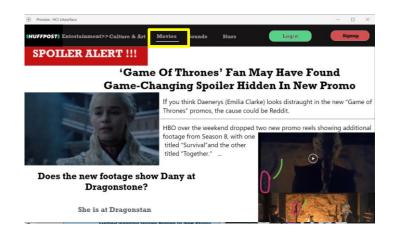
- Culture and Arts
- Movies
- Sounds
- Stars



12)
In "Culture & Arts" which goes under "Entertainment category", we include the news about religion, art, cuisine and so on

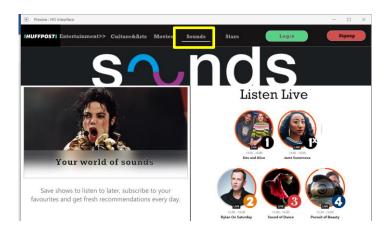


For the people, mostly for the youngsters who are interested about upcoming movies we manage to include a subcategory called "Movies" under "Entertainment", so they can go and look for the trailers, spoiler alerts, new upcoming movie names, and when they released and so on.

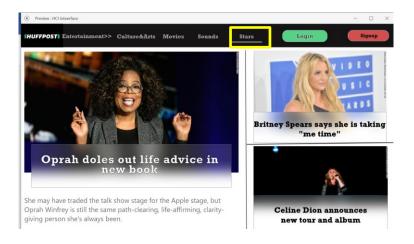


14)

For the people who are interested about songs, and music, beats we included the sub category called "Sounds" which would consist with the new beats, songs and so on



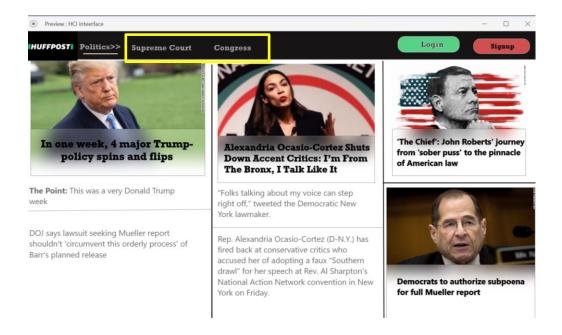
For the people who are mainly interested in gossips about the celebrities, we manage to include a sub category called "Stars" under "Entertainment".



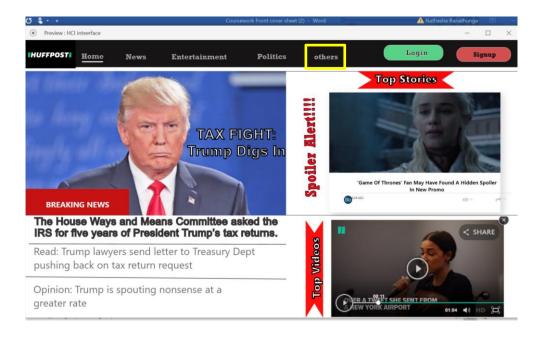
16)

For the people who are more interested in politics, we managed to put a main category called "Politics" in the home page nav bar so they can directly go and view the politics news. As for the easiness of people, furthermore, we divided it into another two sub categories such as

- Supreme Court
- Congress



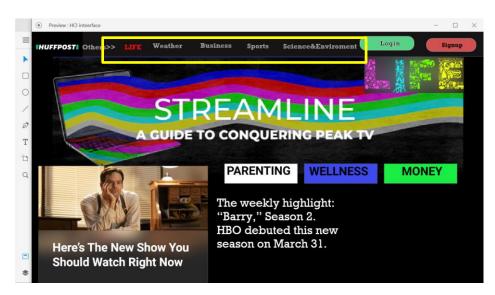
For the people mostly for the youngsters who are not interested in news, political stuffs we manage to include a main category called "Other" in the Home page



18)

Furthermore, we divided it into sub categories called

- Life
- Weather
- Business
- Sports
- Science & Environment



For the people who need advices about life, we added a category called "Life" as mentioned in the above photograph and we divided it into three sub categories such as

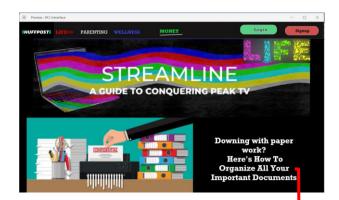
Parenting

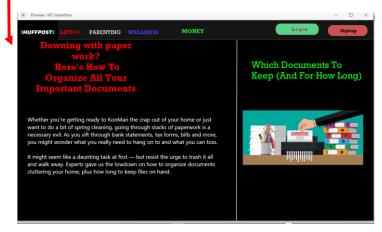


Wellness

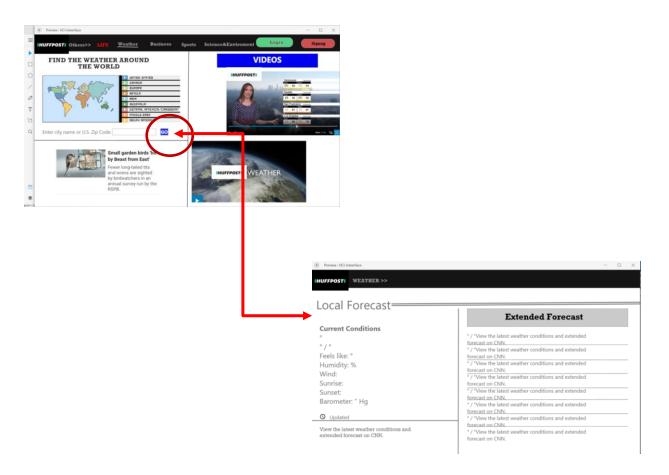


Money



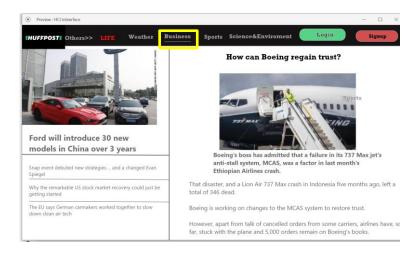


People who want to know about the current weather we manage to put a sub category called "Weather" under "Other", and when you click the "GO" button it will redirect to the current weather details

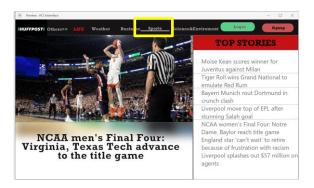


21)

People who need to know about the business news, we manage to add a sub category called "Business", when you click on Business you will redirect to the business news page

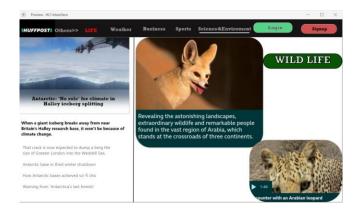


People who need to know the news about sports, we manage to add a sub category called "Sports", when you click on Sports you will redirect to the Sports news page

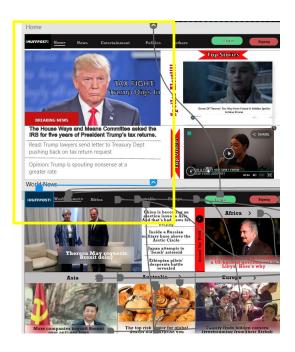


23)

People who need to know the news about the nature, Environment, Wild Life we added a sub category called "Science & Environment"



When you go and click on the "HuffPost logo" which is in the navbar it will redirect to the "Home Page" which would easy for the people rather than clicking the back button



8. Usability Evaluation Result

We have analysed the usability of our "HUFFPOST" website for people with the different visual disabilities, and we have compared our interfaces, such as an example we compare home interface with the life interface. For this survey we used people with different vision disabilities such as blurred vision, colour blindness and long sight people.

Following is one of the best interfaces that all the people choose according to their eye sight.



Based from our survey we found that when the interface get more colourful people would love to go and check it as well as apart from the navbar others in this interface is much clearer to all the people, due to the big letters and the colourfulness. Navbar would not be clear for the people who has the blurred vision as well as for the people who are with long sight disability due to the small size of font size.

We therefore designed layout that would oblige with all kind of especially the visually impaired and less proficient users. The concept we used here is the large font size colourful background, and different colour buttons for the specific category, apart from news categories other interfaces we have made more colourful and we used the big font size for the navbar so all the people can see it clearly, without any inconvenience.

Result

The result of our survey suggested that the common controls of News website must be enlarge enough for people who having vision problems such as blurred vision, coloured vision, and ling sight.

9. Conclusion

The generic aspects of HUFFPOST can be used to search for the different kind of online news, moreover by making easy to access and by updating the website for 24/7 would causes to get more viewers, followers and so on. The reviews with the user requirements, use of prototypes and design the final product in an iterative manner make the user an active part of the process. By making the interface more colourful and using the big font size would help every single person to read what is in the page without any inconvenience.

Our main objective here is to make our website more user-friendly and easier for the people.

10. References

- https://www.huffpost.com/
- https://www.bbc.com/
- https://edition.cnn.com/
- https://creately.com/ (Figure 1.0 Task analysis diagram)
- "The Psychology of Everyday things" by Donald Norman (Author)

11. Workload Matrix

Index number	Others, Weather, Sports, Business, ScienceandEnvirnment, Parenting, Wellness, Money	Login, Signup, Home, Politics, Supreme Court, Congress	Local News, Breaking News, World News, Africa, Asia, Europe, Australia	Culture, Movies, Sounds, Stars, Forget Password,
Student 1 10638286	*			
Student 2 10638202		*		
Student 3 10638282			*	
Student 4 10638317				*