

TrueCrypt

This website was made as a way to advertise and promote a theoretical app that was devolved. The app that is being promoted is one that provides anonymity to people that work in fields such as journalism. The website also provides the user reasons in which why the app is important for the aforementioned user and highlights the ISP of the app.

This website would be similar to other tech-product websites and businesses that focus on security-focused individuals from the age ranges of 25-60 male and female.

UX

This website was built for a particular user, somebody who is non-technical but works in a field that needs secure communications. This website would not be appropriate for somebody with in-depth knowledge in cryptography secure communications as they would likely already be using the latest methods; this is however for non-computer literate users who need this service.

Therefore I made sure the website highlights certain information, such as why is this important, why do I need it, etc. This is the idea for the first page. As the user won't be somebody who has in-depth knowledge in this field, I made sure to keep most of the computer jargon out of the website, however, kept some buzz words to show legitimacy to the user. I tried to make sure the website was visually pleasing as a user is less likely to buy the product or show interest in the product if the website looks unprofessional.

I tried to program in responsive design so the user knows where everything is and won't have to try and figure out how to use the website. The goal was to simplistically advertise a product/service.

Given the current climate, I think this website is somewhat relevant compared to a few years ago as there have been clear and documented cases of people needing anonymous communications. My idea is, if somebody needs services like this, but aren't computer-literate, then a professional-looking service that provides everything they need for a small cost will likely be more in their interest than researching and implementing their secure cryptographic communications.

This section is also where you would share links to any wireframes, mockups, diagrams, etc. that you created as part of the design process. These files should themselves either be included as a PDF file in the project itself (in a separate directory) or just hosted elsewhere online and can be in any format that is viewable inside the browser.

Please see <https://github.com/ryanstedmanw/ProjectWebsite/blob/master/Wirefram-Dia/project%20webstite.pdf>

Features

Across all pages, I have implemented a Bootstrap navigation bar and used Google fonts, additionally, I have used iconography

Index page

On the index page, you are greeted with a hero image that transitions into the frame, over the image, there is a black overlay that helps highlight the hero image text.

Below there is a card that spans the viewport width that shows the user a statement, what the website is going to be used for.

Under the hero image, 4 linked cards provide links to websites such as Wikileaks and TOR, etc. These links are highlighted in white when the user hovers over the link to provide feedback so that the user knows there is a function to the card.

Underneath the cards, there is a standard footer that has no function.

Features page

On the features page there is once again a hero image and statement, this is to maintain site identity across pages so that the user does not get lost on the website.

Underneath the statement, there is a Tab section, which maintains the same feedback idea with hovered white text, which provides users with more in-depth information relating to the information on the cards. I decided to maintain the color scheme with the tabs so that it was clear which tab was pressed at any given time, so as not to confuse the user.

Finally, there is a footer.

BLM page

On this page, there is again a hero image with statement text.

Below the hero image, there is a set of 3 cards all of which have a mission statement supporting the BLM movement. I believe this is a relevant page as it ties in with some of the ideas that have been presented in the other pages of the website. Furthermore, it shows that the company is relatable to the current climates.

The rest of the page retains UX design.

Contact Page

The contact page contains a hero image but is different compared to the other pages as instead of it having a statement; it instead has a contact form that I have designed. However, I believe the user will be able to clearly understand how the page works as it is very simple.

Existing Features

Feature 1 - Bootstrap Navbar

I have used the bootstrap navigation bar across all pages on my website as it has a lot of built-in functionality which means it consistently will work across multiple devices, also it comes with a professional feel.

Feature 2 - Bootstrap Col & Row functions

Again, I have used bootstrap in this website to structure my pages as it means that the website should function in all devices and browsers without much hassle, it also means that the user will likely of had used a bootstrap website in the past and will have a familiar feel to it. Furthermore, I have used bootstrap as it is very versatile and there is no point reinventing the wheel.

Feature 3 - Hero Image CSS Transition

I have used a simple CSS transition to each of the hero images, the reason behind this is that it creates a feeling of responsiveness to the website whilst remaining relatively static.

Feature 4 - Black Overlay

Due to some of the contrasting colors of the Hero Images, it became clear that the hero text would not be visible at certain viewport sizes. To overcome this I implemented an opaque black overlay so that the white text pops over the image.

Feature 5 - Color hover white

To create some more responsiveness to the website, I made some of the information in the cards change color to white when the user hovered over them, this wasn't a major feature but it does make the website look better.

Feature 6 - Bootstrap tabs

During the build process, I decided that I wanted the website to be sleek, however, this meant that too much information on the screen would over saturate the page. My tutor recommended that I implement a Tolerable tabs section on the features page so that I could have the information that I needed, but without taking up the screen real estate.

Features Left to Implement

Feature 1 - Marquee hero images

I would like to implement a marquee gallery hero images for the pages; this would hopefully make it feel less static.

Feature 2 - Playable video

I would like to incorporate a video that plays on the BLM page as the hero image; this would hopefully highlight the message further.

Technologies Used

I have used all the listed technologies as they are similar, if not identical to the technologies to the ones that are used in the industry at the moment. Therefore I felt like it was important to incorporate them into this project.

1. [jQuery] (<https://jquery.com>)
The project uses **jQuery** to simplify DOM manipulation.
2. [Bootstrap4] (<https://getbootstrap.com/>)
This project uses Bootstrap4 to help provide responsive design across devices and browsers
3. [Guillemots] (<https://fonts.google.com/>)
This project uses Guillemots to provide professional looking typography

Testing

My testing progress for this project mainly relied on using multiple devices and developer tools from Google chrome to check to visually see what the website looks like in different browsers and devices.

- **Visual inspection using Google developer tools**

For every page, my process was to implement a feature and then view it firstly in Google chrome developer tools to see how the website looked and if any of the features were broken or not displayed correctly. If the website was not being displayed correctly, I was able to alter the CSS in dev. tools to eventually reach the desired presentation.

This required a lot of back and forth comparisons as sometimes a fix for one viewport size would not work for other viewport sizes and browsers, in fact usually a fix at one size would actively break the website for another size.

- **Bugs found from visual inspections**

One of the most recent bugs that I had was when using the black overlay if I used padding to push the text to the middle of the screen, two of the three. Hero-text would be incorrectly displayed off to the right of the page; the bug I found out eventually was caused by the COL-SM tag, instead of COL.

- **Cross-device visual inspection**

I made sure to use my (Samsung) and my friends (iPhone) phone to double and triple check my work. Even though Google Chrome developer tools have both of these devices resolutions sizes built-in, I made sure to test them with real-life hardware, as you can never be sure that virtual software is correct.

- **Physical testing**

Another main page that needed testing was the contact form page, for this, I wanted to make sure that the forms where populated. To do this I used the required tag, and to test this, a simple hover over the form section would show a message if it was not populated.

- **Bugs found -1**

Some interesting bugs I found during the page development were to do with the display of the bootstrap cards. When I was targeting the Css, in some cases I over targeted the cards with Css resulting in incorrect sizing of the cards across devices.

- **How this was fixed**

The issues were fixed by looking at the documentation and using websites (such as stack overview) to see how professionals had implemented the technology and to see where I was going wrong. I found that finding and fixing the bugs made me a better website programmer as I had to teach myself the correct way of doing things.

- **Bug found 2**

Another bug I found was when using the black overlay, in one instance; I had placed the div in the wrong place of the code, resulting in the overlay no populating the area correctly, this was a simple mistake but cost me a few hours as I could not see the problem, is that it was such a small one.

- **How this was fixed**

To fix this bug I used visual inspection and code manipulation with Google dev tools

- **Interesting bug**

One of the most recent bugs/features was when implementing the bootstrap tabs, the tagged div that showed the information would not have the correct width. I tried targeting this to force the width to viewport width but this didn't work. Eventually, I found the problem was a max-width tag that was being forced by the bootstrap tab itself, I found this

when I was using chrome dev tools and could see a max-width that I had not coded. To fix this I targeted the offending tag in CSS and set the max-width to none. This fixed this issue.

Another issue with this feature was that bootstrap wanted to have a white box with borders overlaid onto the card, which ruined the feel of the website; I used the same process of changing variables in dev. tools to fix this issue.

I'm still not sure if the form was programmed correctly but I'm pretty sure it is.

Deployment

I developed this website on GitHub and using the Gitpod ide. The link to the repository is here
<https://github.com/ryanstedmanw/ProjectWebsite>

To run this version of the website in the Gitpod IDE, you have as follows.

- 1) Navigate onto the GitHub Repo
- 2) Click onto branches
- 3) Click on GitPodPages and click the Gitpod button. This will load the IDE.
- 4) Type into the terminal; "python3 -m HTTP.server"
- 5) Click on the "make public" and then view it in browser or preview.

To access the GitHub pages you can either use this link <https://ryanstedmanw.github.io/ProjectWebsite/> or go onto the repository, then settings, scroll down to GitHub pages and click on the link there.

The main difference between the two branches (master and GitPodPages) is that the href link to the CSS and images are different and use relative and absolute links. This was not a problem for me when I was designing in Gitpod however GitHub uses different link terminology

Credits

No credits

Content

- The text for section BLM was copied from the website <https://www.degrowth.info/en/2020/06/%EF%BB%BFsolidarity-statement-with-black-lives-matter/>

Media

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The photos used in this site were obtained from...

https://www.washingtonpost.com/gdpr-consent/?next_url=https%3a%2f%2fwww.washingtonpost.com%2fworld%2feurope%2feurope-said-us-influence-had-waned-under-trump-then-black-lives-matter-protests-rocked-the-continent%2f2020%2f06%2f17%2f23f88ff2-ab4c-11ea-a43b-be9f6494a87d_story.html

https://lh3.googleusercontent.com/WymaXTMLK-AADQWh02IlyRfi3IW81M2n2Hmb8fbfyJLGx7VTteJh_mOKrjVaY5n-5X6v=s128

https://lh3.googleusercontent.com/0xq4JYkf4J1QgbAlnfS481HfJ2n28YejjSU_sRgvJHx2iHkRD490PpPO3QwBWNMA0bo3-zQ=s128

<https://lh3.googleusercontent.com/LlIEdpPcP7eCXzMU5uNwNt847agAQWQns3dcXGgsgAU6QcCHIXMPYVwGMszHp2bSln8Dd8ZQ=s128>

Acknowledgments

- I received inspiration for this project from multiple music websites such as apple, Spotify. These websites gave me the idea of a black overlaid hero image. Some many other places and websites use this technique to provide contrast for text over hero images.
- I acknowledge that certain elements of the bootstrap code have been implemented and altered where needs are, such as the togglable tabs, however, I believe that I have modified the implementation enough.
- I acknowledge that the black overlay code was found from a YouTube video and that the code was altered from a code pin app