**IFT458/598 – Project 1**

Yuan Li & Edward Halper

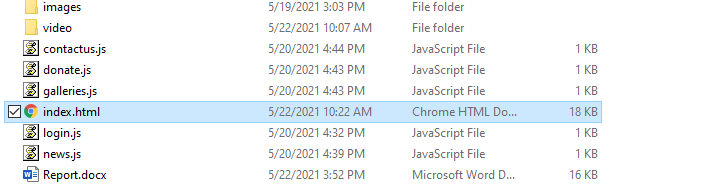
**Introduction**

**Description of your work**

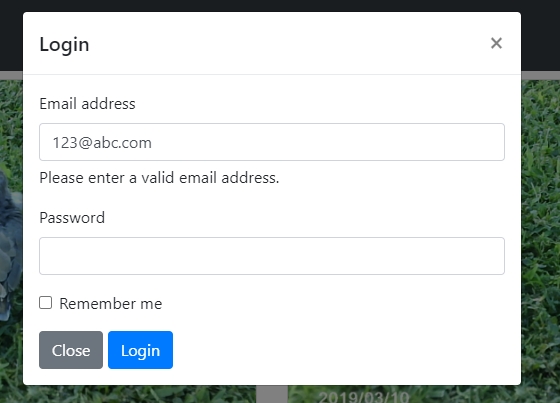
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| --- | --- | --- |
| Name | Item | description |
| Yuan | Logo | I used html5 SVG designed the logo. It has circle and text embedded in it. |
| Yuan | Navigation | I used html5 nav element to build the menu and menu items and I used jQuery to display the menu item when user clicks the menu. |
| Yuan | login page | I used Bootstrap modal component to design our login page. The login page has html5 validation features. Both email address and password are required fields. I also used jQuery and html5 web storage object window.sessionStorage to store and retrieve user login information |
| Yuan | News page | I used html5 drag and drop feature to allow user to drag news from one section to put into another section.  There is also a slideshow which allows user to cycle through a series of SVG images. |
| Yuan | Contact page | I used html video feature to embed a mp4 type video. User can play, pause, maximize, and change the sound of the video. |
| Yuan | Galleries page | I used Bootstrap card container to organize the picture and text. |
| Edward |  |  |

**User Manual**

1. First when user double clicks the index.html.



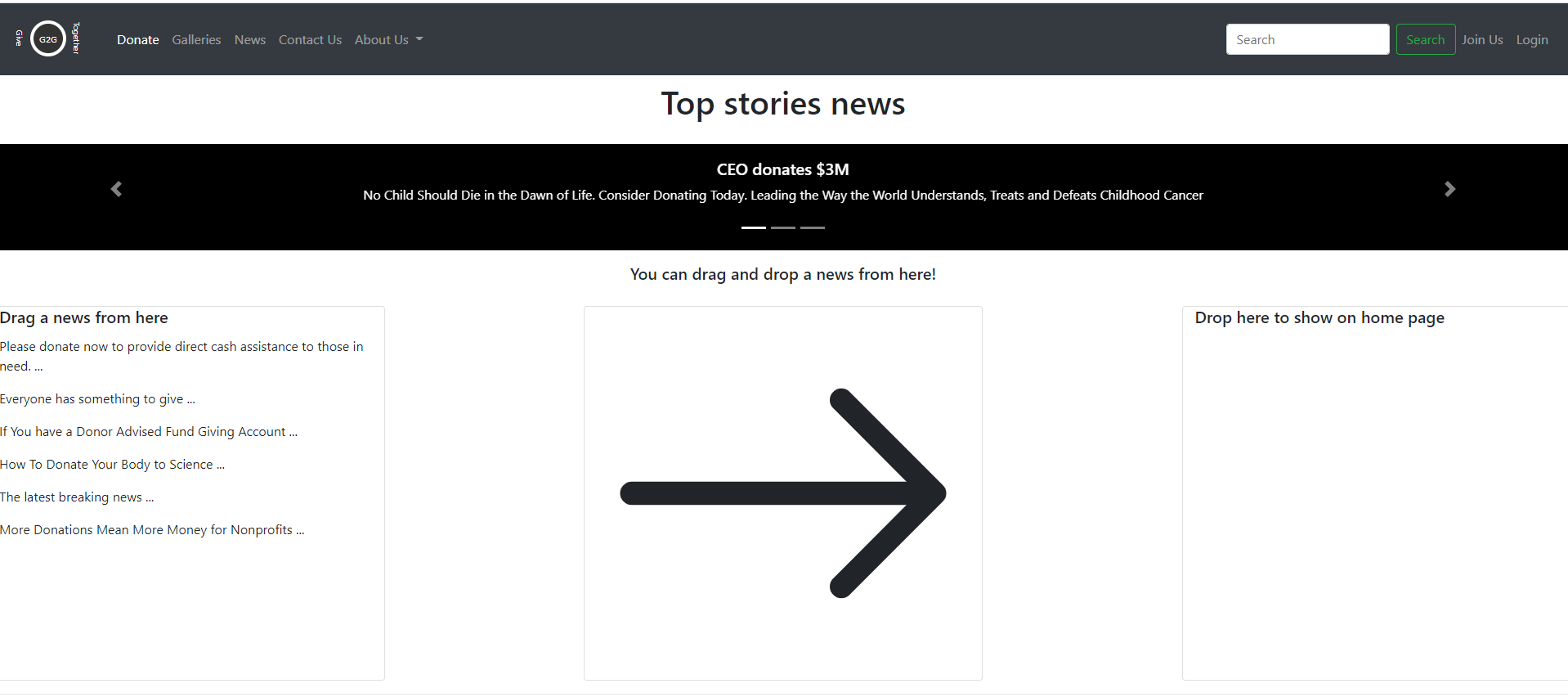
1. The login page will pop up to ask user to enter email and password. Both fields are required. You can put any correctly formatted email address, and any password.



3. Click login button

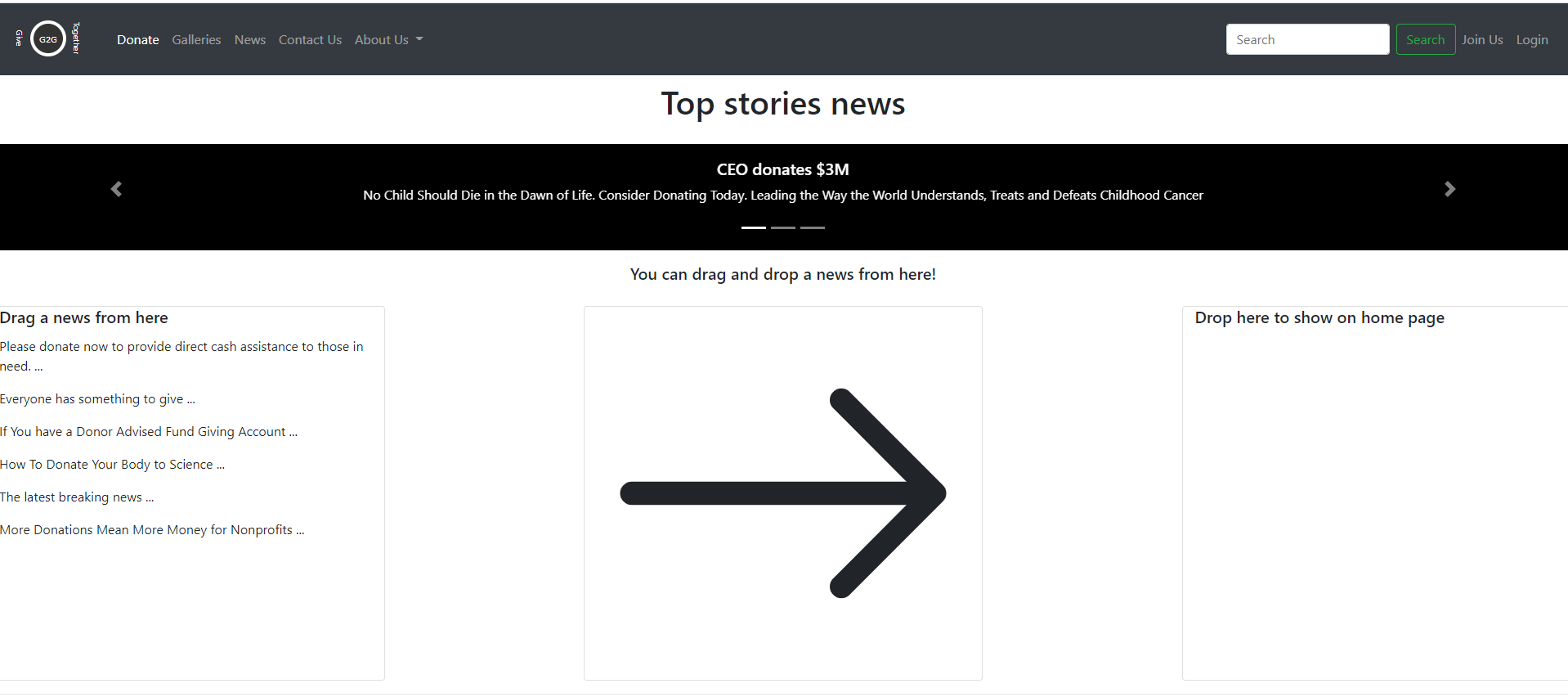
4. You can click menus to go to each section. Like Donate, Galleries, News, Contact Us, etc.

5. If you click News menu and go to News page, then the page shows like below.

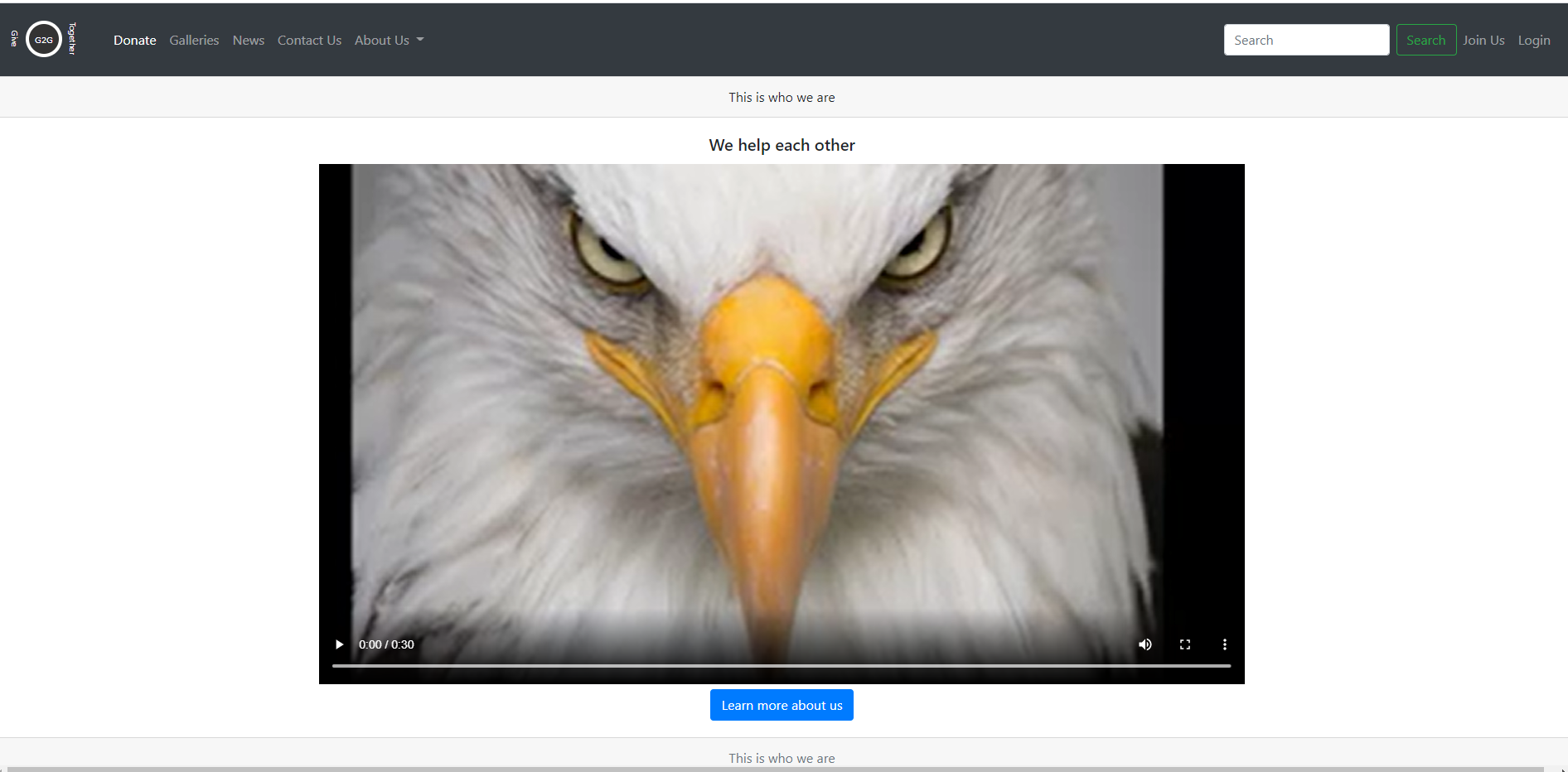


5.1. You can click both left and right arrows on the slideshow to cycle through the news.

5.2. You can drag news from left section and drop it to the right section.



6. If you click Contact Us page, you will see a video.



6.1 you can click start button to start watching the video.

**Yuan’s Conclusion:**

I think jQuery is a very good JavaScript library, it’s very convenient to include it into your project. It helps us a lot for selecting an element and applying CSS to it. jQuery CDN is a very good way to include jQuery to your project, you don’t need to download any jQuery library locally.

I have learned html5 new features. Like drag-and-drop, SVG, and video features. I first thought I had to heavily program drag-and-drop feature. But the new feature makes it super easy. You just need to mark your source element draggable and tell jQuery where the target is, then transfer the data between them. The challenge I faced is that I forgot to assign the id to my target element, this made the drop part break. Then I had to debug the code and understand the error messages.

I also learned html5 validation feature. Now with the feature, it is very easy to place some restrictions on your html elements. For example, when you want to the user to only enter a correctly formatted email address, you don’t have to write code or regular expression to handle it, instead just place a type=”email” attribute to the input element, then the browser will do the validation for you.

Finally, the improvement I think we need is to find a good way to separate the html code. Right now, all the html code is in one html page. Me and my partner are working on the same page, we have to carefully avoid stepping on each other. If we can separate the html into different files, that will be great.

**Edward’s Conclusion:**