

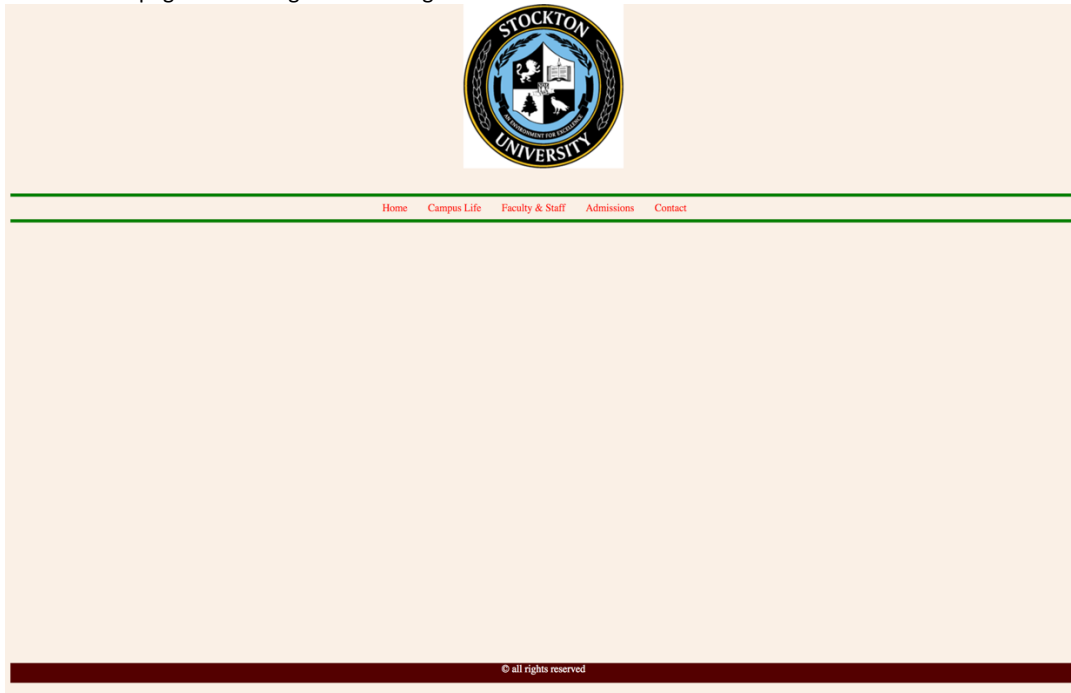
Note: Please follow below instructions carefully:

- You **can** refer to the textbooks/class notes or any materials posted on blackboard (lecture slides, solutions to class works/assignments etc.).
- You **can** ask me questions for clarification by email or through zoom.
- Please upload your code so that I can execute them to verify the output.
- If you need additional time, you can email me.
- Attempting one question is mandatory. You can attempt any additional question(s) to earn extra credit.

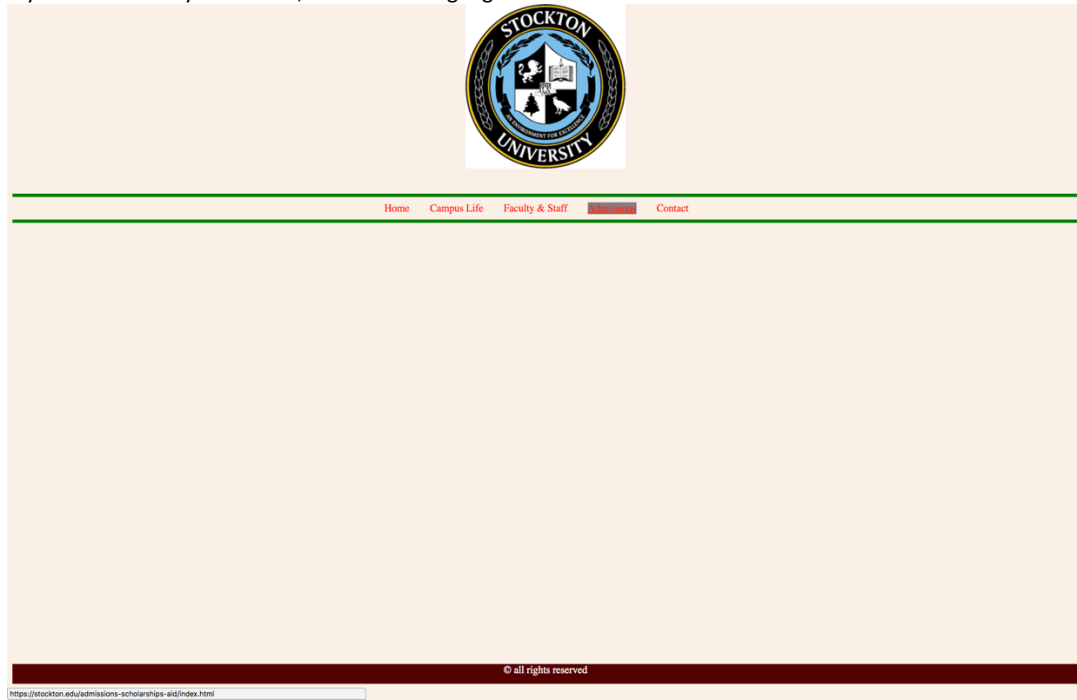
Attempt any one question

*Use only **JavaScript** as your scripting language, wherever it is necessary. You will also need to use **Bootstrap** classes/navigation bars for some problems.*

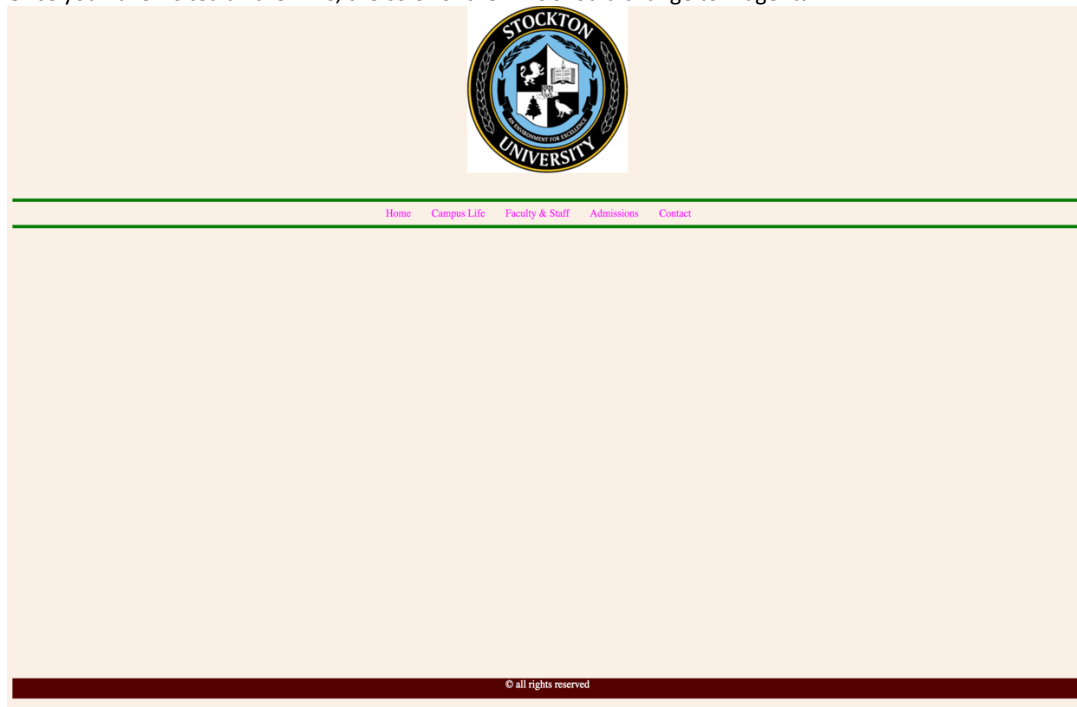
1. Create a web page resembling the following:



If you hover on any of the link, it should be highlighted and underlined as shown below:

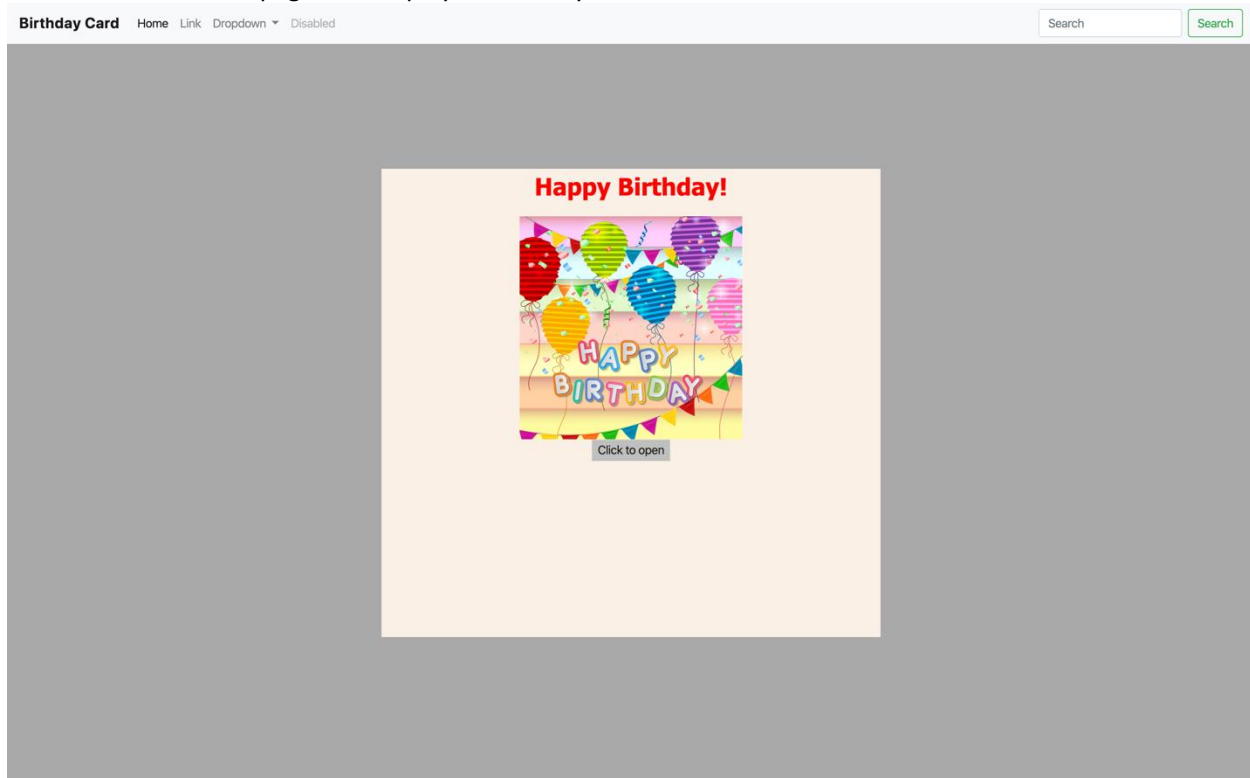


Once you have visited all the links, the color of the links should change to magenta:

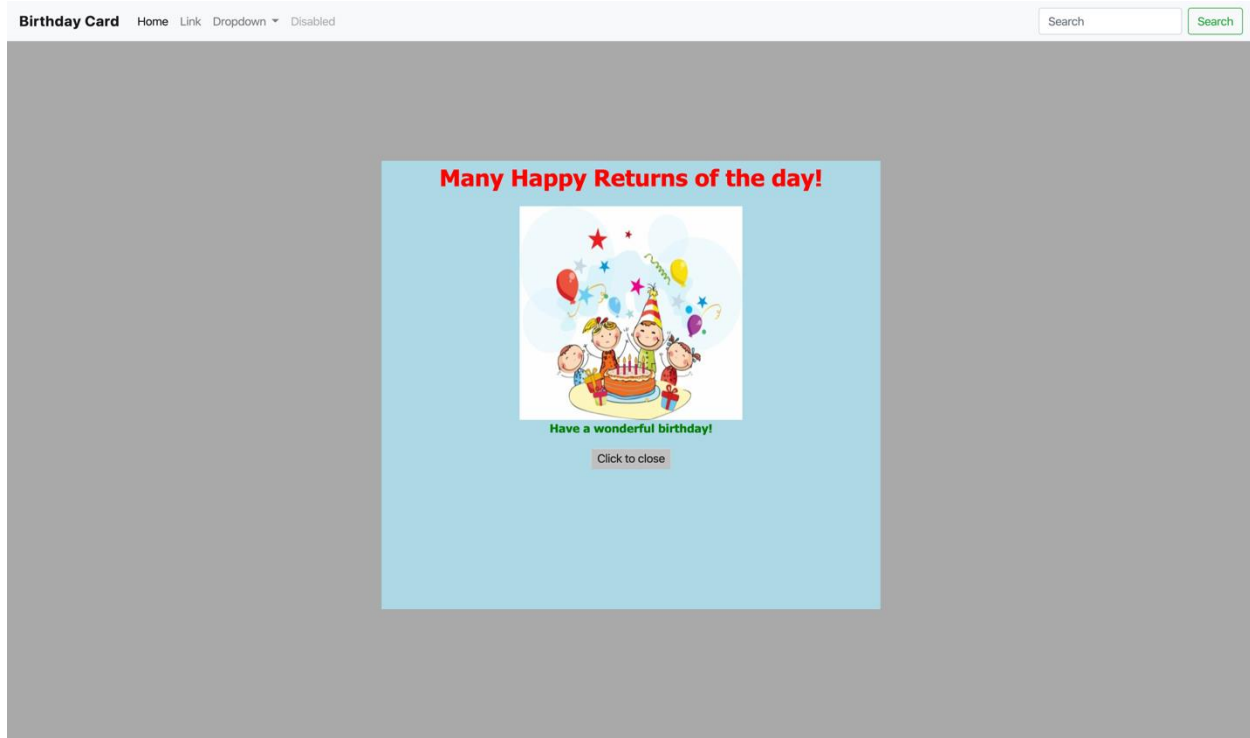


Note: Clicking on any of the link should take you to the corresponding web page on Stockton portal.

2. Create a web page that displays a birthday card as follows:



- Once we click on the button “Click to open”, the front page should be flipped gently to display the inside of the card:



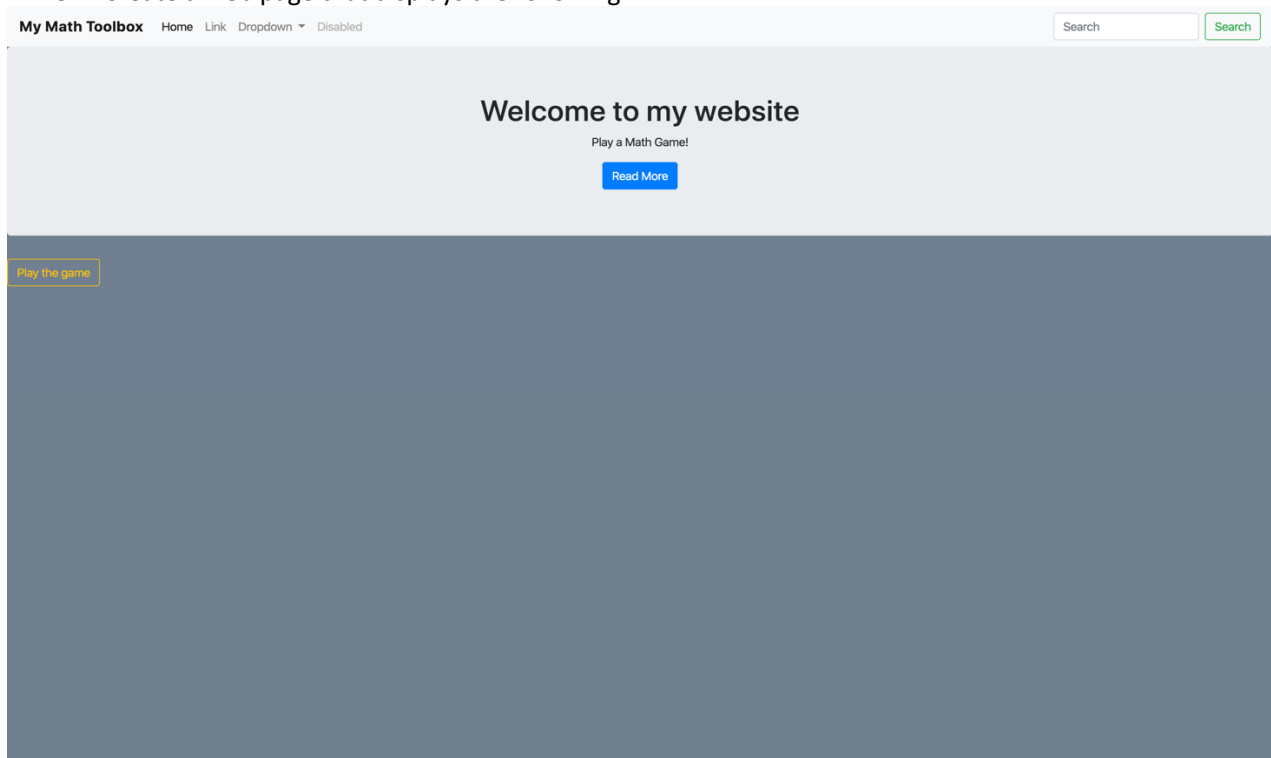
- Once we click on “Click to close”, we should go back to the front page of the card.

[**Hint:** To flip the front page of the card, use the CSS **transform** property. You can define two functions `open_card()` and `close_card()` and call them in response to the **onclick** event of the respective buttons:

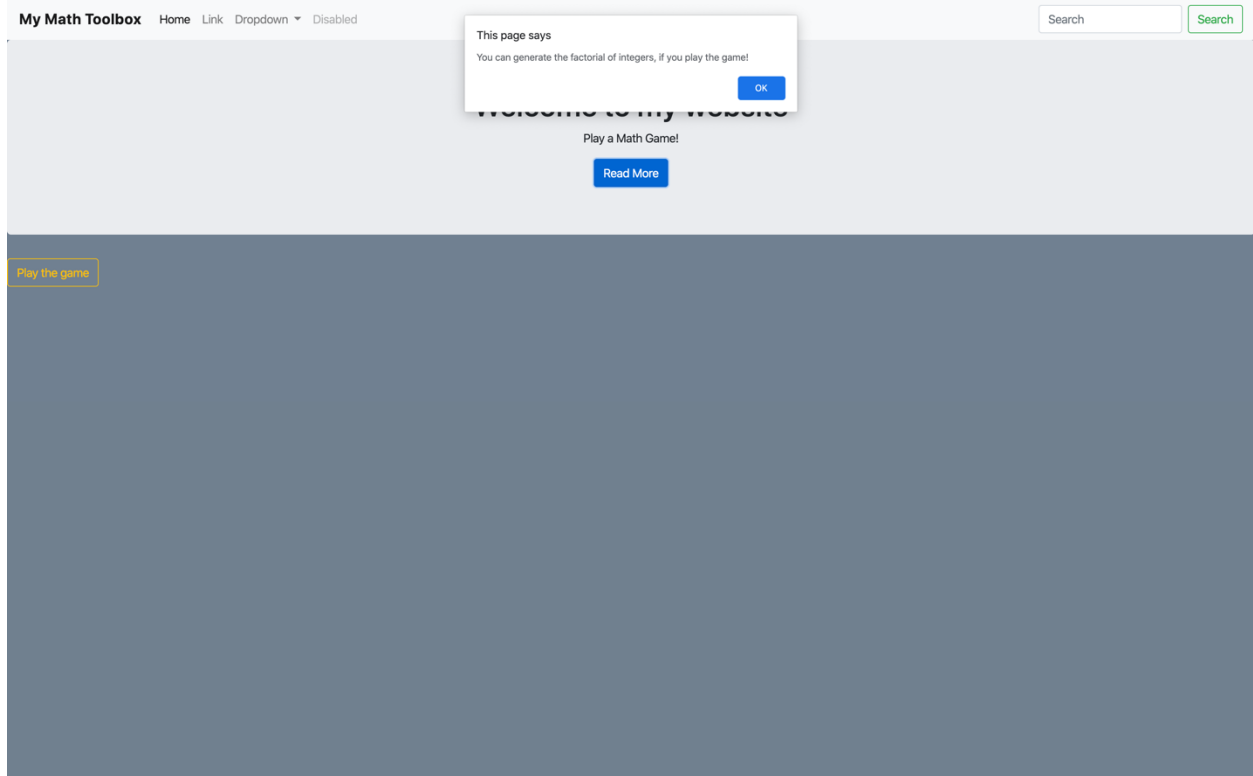
```
function open_card() {  
    document.getElementById('outside').className = 'open-card';  
}  
  
function close_card() {  
    document.getElementById('outside').className = '';  
}
```

where 'outside' is the <div> of the front page of the card. Then define the appropriate classes in a style sheet.]

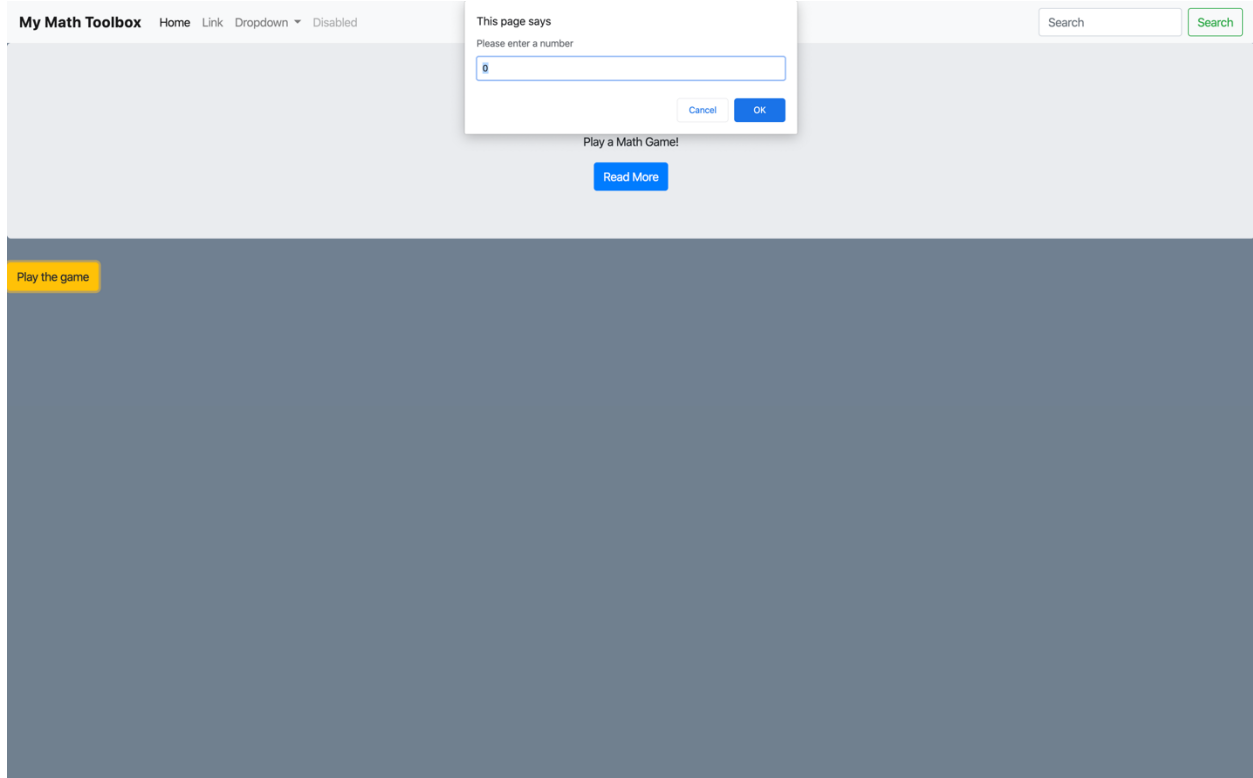
3. Create a web page that displays the following:



- Once we click on “Read More”, we should get an alert box:



- Once we click on “Play the Game”, it should ask for an input:



- We provide a number as input and press OK

My Math Toolbox Home Link Dropdown ▾ Disabled

Search

This page says
Please enter a number

- Once we press OK, it should generate the following output:

Below are the factorials of all the numbers from 1 to 9

Number	Factorial
1!	1
2!	2
3!	6
4!	24
5!	120
6!	720
7!	5040
8!	40320
9!	362880