

## COURSEWORK SUBMISSION FORM

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### SUBMISSION INSTRUCTIONS

**COURSEWORKS *must* be submitted in *both* HARD COPY (to the Registrar's Office) *and* ELECTRONIC unless instructed otherwise.**

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### MARKERS FEEDBACK (Continued on the next page)

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## Audience profile

“Voyager” is a middle-sized business company that is rotated to tourism sphere, and provide trips to local Uzbek people (ages ranging between 18 and 65) who are interested in or have an intention of travelling to Japan. Customers can get related and valuable information about the country without even contacting to agency first. For instance, in “Explore” and “Things to do” webpages they can gain insights about from Japan’s historical places or nature to relaxation places or popular cuisines, and additionally, users can read Japan-tourism related news and articles from the “News” webpage. In order to book a trip or learn about pricing and plans, users should go to the “Contact” page and leave their messages here with their email provided or they can call on the given number.

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## Functions and features

Throughout all the webpages when the screen size is less than 855px, navigation bar is hidden behind the hamburger menu (naming convention is because of it consisting of three horizontal lines stacking on top of each other and representing a hamburger) on the right side of the screen in order not to fill up the header section. According to Dai (2019), there are several positive influences of using hamburger menu on better user experience since it is generally well-known and provides direct access of navigation. In addition, this menu can retain users concentrated on the delivered message by displaying only main contents and hiding secondary options behind the menu.

```
1  // ----- BURGER NAVIGATION -----//
2
3  // selecting necessary elements
4  const burgerNav = document.querySelector('.burger-nav');
5  const navigation = document.querySelector('.nav-items');
6  const navigationLinks = document.querySelectorAll('.nav-items .nav-link');
7  const headerContact = document.querySelector('.header-contact');
8
9  // adding an eventlistener to burger-nav container
10 burgerNav.addEventListener('click', () => {
11     // toggling nav by checking its place on X axis
12     if (navigation.style.transform) {
13         navigation.style.transform = '';
14
15         // this is only for contact and news page
16         if (typeof (headerContact) !== 'undefined' && headerContact !== null)
17             document.querySelector('.header-contact').style.height = '15vh';
18     } else {
19         navigation.style.transform = 'translateX(0)';
20
21         // this is only for contact and news page
22         if (typeof (headerContact) !== 'undefined' && headerContact !== null)
23             document.querySelector('.header-contact').style.height = '100vh';
24     }
25 })
```

Figure 1. JavaScript

```
26 // animating links
27 // function takes two parameters:
28 // link - the actual link itself
29 // index - the order of the link (it's used to animate links one after another)
30 navigationLinks.forEach((link, index) => {
31     if (link.style.animation) {
32         link.style.animation = '';
33     } else {
34         link.style.animation = `linkFade .5s ease forwards ${index / 5}s`;
35     }
36 });
37
38 // animating burger-nav container by toggling 'change' class
39 burgerNav.classList.toggle('change');
40 });
41
42
```

Figure 1. JavaScript

## WESTMINSTER INTERNATIONAL UNIVERSITY IN TASHKENT

Figure 1 above depicts (only JavaScript functionality) how hamburger navigation is formed. Shortly, `addEventListener()` method is attached to the container of the hamburger menu with `click` event so that when the menu is clicked, it displays the hidden navigation bar with animation.

```
76  /* SWITCHING BETWEEN CONTENTS USING OPTION BUTTONS*/
77
78  // selecting necessary elements
79  const optionBtns = document.querySelectorAll('.option');
80  const exploreContainers = document.querySelectorAll('.explore-content-container');
81
82  // looping through each option button
83  optionBtns.forEach((optionbtn) => {
84    // adding click event listener to the button so that "switching content" can happen
85    optionbtn.addEventListener('click', (option) => {
86      // storing button's ID to a variable
87      let optionID = option.currentTarget.parentElement.getAttribute('href');
88
89      // iterating through content containers
90      exploreContainers.forEach((container) => {
91        // storing container's ID to a variable
92        let containerID = '#' + container.getAttribute('id');
93
94        // according to the logics below "on" and "off" classes will be added to containers
95        if (optionID === containerID) {
96          container.classList.add('explore-on');
97
98          // making footer section visible
99          document.querySelector('.footer-off').classList.add('footer-on');
100        } else {
101          container.classList.remove('explore-on');
102          container.classList.add('explore-off');
103        }
104      });
105    });
106  });
```

Figure 2. JavaScript

In “Explore” webpage there is a function that can assist users to switch contents with one click of a button, and Figure 2 above represents the codes of how it works. In short, `addEventListener()` method is again implemented to attach `click` event to all the buttons, and whenever user desired button is clicked, if the ID (unique attribute of a HTML element) of both button and container match with each other, the content will be displayed. This feature can give a hand in saving up display space by hiding all the contents at first sight, and afterwards, only displaying the section that users want to view. Furthermore, since the content consists of only images, there is a “READ” button on the image to enable the user to get information what the image is about. What Figure 3 below shows is that when the button is clicked, its order and order from the array are compared, and if the result returns `true` (meaning if the orders are the same), information about the image will be displayed with animation.

```

108  /* ANIMATING IMAGE WITH CONTENTS*/
109
110  //creating array of object to keep track of containers
111  const orders = ['1', '2', '3']
112
113  //Selecting necessary elements
114  const btns = document.querySelectorAll('.read-btn');
115
116  //Looping through each button
117  btns.forEach((btn) => {
118    //adding each button an event listener to reach every container
119    btn.addEventListener('click', (container) => {
120      //Looping through each container so that the index of the container can be checked and classes can be added
121      for (let i = 0; i < orders.length; i++) {
122        //if order from actual container matches with the order from array, then classes will be toggled
123        if (container.currentTarget.dataset.order === orders[i]) {
124          container.currentTarget.parentElement.classList.toggle('fadeIn');
125          container.currentTarget.parentElement.children[0].classList.toggle('content-active');
126        }
127      }
128    });
129  });
130
131

```

Figure 3. JavaScript

Since “Plan Your Tip” webpage is all about providing tips on what to know before travelling to the country, the texts are hidden behind the small cards so that user can select what information he or she needs and can read. Simple function is used to show the text with animation and its functionality is given in the Figure 4 below. Basically, each card has their own button, and those buttons are attached *click* event by *addEventListener()* method in order to add animation to the card of the button clicked.

```

135  //selecting necessary elements
136  const btns = document.querySelectorAll('.tip-button');
137  const tipTexts = document.querySelectorAll('.tip-text');
138
139  //Looping through each button to find the current clicked one
140  btns.forEach((btn) => {
141    btn.addEventListener('click', (currentBtn) => {
142      //toggling the classes of right and down buttons
143      currentBtn.currentTarget.children[0].classList.toggle('off');
144      currentBtn.currentTarget.children[1].classList.toggle('off');
145      //animating the "tip title" by toggling its class
146      currentBtn.currentTarget.parentElement.classList.toggle('tip-title-border');
147
148
149      tipTexts.forEach((tipText) => {
150        // "tip text" container's numbered id is equal to clicked button's, then animate
151        if (tipText.dataset.id === currentBtn.currentTarget.dataset.id) {
152          tipText.classList.toggle('tip-text-on');
153        }
154      });
155    });
156  });
157

```

Figure 4. JavaScript

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Finally, validation functionality is used in the “Contact” webpage, and Figure 5 below represents how it works in this case. What the function can do is to check whether user fills all the required input spaces before pressing the submit button or not. If the user does not fill the input, as a result the empty section’s *border-bottom* turns into red color (meaning that the user should fill this space), otherwise, if all the input sections are filled, output text will be displayed with the help of animation.

```
164 function outputAnimation() {
165     //selecting necessary elements
166     const output = document.querySelector('.submit-output');
167     const form = document.querySelector('main');
168     const inputs = document.querySelectorAll('input');
169     const bottomBorders = document.querySelectorAll('.form label');
170
171     //to keep track if there's an empty input
172     let inputValid = false;
173     //iterating through each input
174     inputs.forEach((input) => {
175         if (input.value !== '') {
176             inputValid = true; // meaning every input is filled
177         } else {
178             //showing an error
179             bottomBorders.forEach((bottomBorder) =>{
180                 // comparing data attribute of each element
181                 if(bottomBorder.dataset.id === input.dataset.id){
182                     bottomBorder.style.borderBottom = '2px solid red';
183                 }
184             });
185             inputValid = false;
186         }
187     })
188     //if no error, then output message will be shown
189     if (inputValid) {
190         //changing display property of main content so that the hidden text can show up
191         form.classList.toggle('off');
192         //showing output by changing transform property
193         output.classList.toggle('on');
194     }
195 }
```

Figure 5. JavaScript

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