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| --- | --- |
| **Project Case** |  |
| COMP6176  Human and Computer Interaction |
| **Computer Science** | **E212-COMP6176-DL02-00-PPTI 8** |
| ***Valid on*** *Even Semester Year 2020/2021* | **Revision 00** |

1. Seluruh kelompok tidak diperkenankan untuk:

*The whole group is not allowed to:*

* + 1. Melihat sebagian atau seluruh proyek kelompok lain,

*Seeing a part or the whole project from other groups*

* + 1. Menyadur sebagian maupun seluruh proyek dari buku,

*Adapted a part or the whole project from the book*

* + 1. Mendownload sebagian maupun seluruh proyek dari internet,

*Downloading a part or the whole project from the internet,*

* + 1. Mengerjakan soal yang tidak sesuai dengan tema yang ada di soal proyek,

*Working with another theme which is not in accordance with the existing theme in the matter of the project,*

* + 1. Melakukan tindakan kecurangan lainnya,

*Committing other dishonest actions,*

* + 1. Secara sengaja maupun tidak sengaja melakukan segala tindakan kelalaian yang menyebabkan hasil karyanya berhasil dicontek oleh orang lain / kelompok lain.

*Accidentally or intentionally conduct any failure action that cause the results of the project was copied by someone else / other groups.*

1. Jika kelompok terbukti melakukan tindakan seperti yang dijelaskan butir 1 di atas, maka **nilai kelompok** yang melakukan kecurangan (menyontek maupun dicontek) akan di – **NOL** – kan.

*If the group is proved to the actions described in point 1 above, the score of the group which committed dishonest acts (cheating or being cheated) will be “Zero”*

1. Perhatikan jadwal pengumpulan proyek, segala jenis pengumpulan proyek di luar jadwal tidak dilayani.

*Pay attention to the submission schedule for the project, all kinds of submission outside the project schedule will not be accepted*

1. Jangan lupa untuk melihat kriteria penilaian proyek yang ditempel di papan pengumuman, atau tanya asisten anda.

*Don’t forget to look at the project assessment criteria that posted on the announcement board, or ask your teaching assistant.*

1. Persentase penilaiaan untuk matakuliah ini adalah sebagai berikut:

*Marking percentage for this subject is described as follows:*

|  |  |  |
| --- | --- | --- |
| **Tugas Mandiri**  *Assignment* | **Proyek**  *Project* | **UAP**  *Final Exam* |
| 40% | 60% | - |

1. Software yang digunakan pada matakuliah ini adalah sebagai berikut:

*Software will be used in this subject are described as follows:*

|  |
| --- |
| **Software**  *Software* |
| Adobe Photoshop CC 2020  Visual Studio Code  jQuery 3  Firefox / Chrome |

## Ekstensi file yang harus disertakan dalam pengumpulan tugas mandiri dan proyek untuk matakuliah ini adalah sebagai berikut:

*File extensions should be included in assignment and project collection for this subject are described as follows:*

|  |  |
| --- | --- |
| **Tugas Mandiri**  *Assignment* | **Proyek**  *Project* |
| PSD, HTM/HTML, image files (GIF/JPG/PNG), CSS | PSD, HTM/HTML, image files (GIF/JPG/PNG), CSS, JS |

## Soal

*Case*

**Bakersa**

**Bakersa** is a popular classic bakery in town. They make people’s favorite bread and cake since 2001 on their many physical branch stores. They can sell a thousand loaves of bread and a hundred cakes a day for nearly 20 years. Unfortunately since the pandemic, the number of bread and cake sold is decreasing. Today they decide to reach more customer by making their online bread store.

You are asked to help **Bakersa** team to design and create **a** **logo** and **online bread store website** so more people can taste their delicious bread and cake.

The requirements are described below:

* + - 1. **Bakersa** needs a **logo** that represents their high quality bread and cake. Consider the **customer segment**, **shape** and **colors** when designing the **logo**. The logo will be created using **Adobe** **Photoshop CC 2020**, ensure no layers are **merged**.
      2. **Bakersa** wants you to design the **blueprint** of your **homepage** before making the HTML files. The **blueprint** will be created using **Adobe** **Photoshop CC 2020**. Ensure the **blueprint** that you created is the exact same with the website that you will make later. The **homepage blueprint** will contain **header**, **navigation**, **content,** and **footer** as its structure.
      3. **Bakersa** wants you to build the website attractive, appealing and fully functional, and also make sure the website is **responsive**. The website should be accessible using a **mobile** phone in a perfect way. To achieve that, use **5 kinds of CSS property** and **JavaScript**. Use **Meta** **viewport** **tag** and **media** **screen** **rule** that will be applied if the screen is **below 500px**.
      4. The website consists of five main pages. They are **Home**, **Classic Bread**, **Detail Menu, Custom Cake**,and **Checkout** page. You must create the **Navigation Menu** using **Drop Down Menu** using **CSS**. Below are the requirements for each page:
  + **Home**

**Bakersa** wants this page to show their **new bakery** menu and a section to **search** their physical branch stores. **Bakersa** also wants to have an **image-slider** using **JQuery animation** effect on this page to show the latest **events**, **promotions** or **news**.

* + **Classic Bread**

This page shows all of their **bread menu**. Make a list of their bread menu contains **image**, **name**, and **price** for each menu.

* + **Detail Menu**

This page is shown when a customer **click** one of the bread menu in **Classic Bread** page. This page shows **image**, **name**, **rating**, **description**, **price**, and **“Add To Cart” button.** Added items will be stored using **localStorage.**

* + **Custom Cake**

This page shows **some option** for the customer to customize their own cake. Customer can customize some option below:

* + - **Base Cake**

Customer can choose between **Vanilla**, **Chocolate**, and **Strawberry** for their base cake.

* + - **Cream**

Customer can choose to use cream or not on the cake.

* + - **Cake Message**

Customer can put a message on the cake.

* + - **Text Color**

Customer can choose the message’s text color on the cake.

The page has to **show a correspondent cake image based on customer’s selected base cake** and whether they choose to use **cream**. You also have to show customer’s inputted **cake message** on the **cake image** and colored as the **text color** that they choose. When customer’s change one of the options, the page has to show a loading screen of a **bouncing bakersa logo** using **canvas**. At the end of the page, there is a **“Add To Cart”** Button. Added cakes will be stored using **localStorage**.

* + **Checkout**

This page shows **item** that have been **added to cart** and **a** **delivery form** for the customer to be filled. Customer needs to submit some information such as **recipient’s name, email, phone, address, courier, delivery time,** and **newsletter subscription checkbox**. You are also asked to create **5 kinds of form components** and **5 kinds of validation**. For validation, you must create it using **JavaScript** and **don’t use regular expression**. After validation success, the cart will be cleared (empty localStorage)

**Guidelines:**

* + - * 1. Design your website by observing the principles of **human and computer interaction**. Set up your site as creative as possible but still strive for **consistency**.
        2. The **logo** and **blueprint** (only **homepage)** must be designed using **Adobe Photoshop CC 2020** and make sure **no layers are merged**.
        3. Consider the **color**, **font**, **image**, **size,** and **layout** that you use to design the logo and website.
        4. All **pages mentioned in the requirement** should be created **based on your template design**.
        5. Use only **external** **CSS**. **Internal** or **inline** **CSS** will not be **marked**.
        6. Use **CSS box positioning concept** to design your web structure**, do not use table for the layout.**
        7. Consider the language you use, including spelling and grammar, feel free to choose either **Bahasa** or **English**, but you cannot have both at the same time.
        8. Make your website **responsive** so it can deliver in any size, particularly for **desktops**, **tablets** and **mobile devices**.
        9. Organize your files with subdirectories.
        10. Include references (link from a website, book) that you use in creating the website.

**Must be collected:**

1. Logo (\*.psd).
2. Web template for **homepage** (\*.psd).
3. Website (\*.html / \*.htm, \*.css, \*.js).

**If you do not understand, please ask your assistant!**