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| --- | --- |
| **Project Case** |  |
| COMP6176  Human and Computer Interaction |
| **Computer Science** | **E212-COMP6176-KE01-00-PPTI 7** |
| ***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*

**Burger KEng**

**Burger KEng** is an American multinational chain of hamburger fast food restaurants. Headquartered in Miami-Dade County, Florida, the company was founded in 1953 as Insta-Burger King, a Jacksonville, Florida–based restaurant chain.

With the growth of information technology, **Burger KEng** plans to dive into the world of digital business. First, **Burger KEng** must create a **logo** and **company** **website** that represents **Burger KEng’s** image. With this website's existence, **Burger KEng** hopes they can improve their service towards their customers. **Beaudei** entrust you as a web designer to design and create their **logo** and **company** **website**.

The requirements from **Burger KEng** are described below:

* + - 1. **Burger KEng** needs a **logo** that represents the image of a company that has **product burger**. Consider the **shape** and **colors** when designing the **logo**. The logo will be created using **Adobe** **Photoshop CC 2020**, ensure no layers are **merged**.
      2. **Burger KEng** 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. **Burger KEng** 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** **700px** screen.
      4. **Burger KEng** also want to promote their **social media**, please include their social media icon on every page of their website, you can also put them on the footer.
      5. Create web page screen saver using **HTML 5 canvas**, after user idle for several second, the screen saver animation will show **Burger KEng** logo bouncing on the edges.
      6. The website consists of five main pages. They are **Home**, **Gallery**, **Order**, **Create Burger, Our Team**. You must create the **Navigation Menu** using **Drop Down Menu** using **CSS**. Below are the requirements for each page:
  1. **Home**

**Burger KEng** wants this page to show the **best seller** and **recommendation** products for the customer. **Burger KEng** also wants to have an **image-slider** using **JQuery animation** effect on this page to show the latest **product** and/or **news** and/or **promotion** of **Burger KEng**.

* 1. **Gallery**

This page provides **all** products provided by company. Display list of their menus including **image**, **name**, and **price** for each menu

* 1. **Order**

This page provides a **order** menu for the customer. Customer needs to submit some personal information such as **name, email, phone number, address** and **product information** such as Menu, and serving type. 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**.

* 1. **Create Burger**

This Page allow user to select what ingredient they want in their burger’s and submit them to **Burger KEng** company as a new idea for their next product, please provide user with what ingredient they can choose such as:

* **Bread**

Customer can choose between **Regular** or **Wheat** **Bread**

* **Meat**

Customer can choose between **Beef**, **Chicken** or **Fish**

* **Sauce**

Customer can combine sauces such as **Mushroom**, **Barbeque**, **Chilli** or **Cheese**.

* **Vegetable**

Customer can choose whether to have vegetables or not

The page has to **show a correspondent Burger image based on customer’s selected ingredients**. At the end of the page, there is a **“Add To Cart”** Button.

* 1. **Our Team**

This page shows the Important Role on **Burger KEng** company, please provide **photo**, **role**, and **name** ofthe employee of **Burger KEng,** the data and picture can be dummy and/or illustration**.**

**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).

Here are the rules that you must follow to create your project:

1. Use appropriate software for this subject based on **Sistem Praktikum** that can be downloaded from Binusmaya.
2. Collect appropriate files for this subject based on **Sistem Praktikum** that can be downloaded from Binusmaya.
3. Include the other files that can support your project, such as:
   1. All files in your project
   2. Other files (image, audio, video, etc.) used in your project
   3. \*.DOC file (documentation of your project) that contains the reference links of additional files (image, audio, video, etc.) used in your project
4. If there are some hidden creativities, please note them in the existing documentation because they can greatly affect your project score

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