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| --- | --- |
| **Project Case** |  |
| MOBI6012  Web Design |
| **Computer Science** | **O202-MOBI6012-SL01-00** |
| ***Valid on*** *Odd Semester Year 2019/2020* | **Revision 00** |

1. Seluruh kelompok tidak diperkenankan untuk:

*The whole group is not allowed to:*

* + - Melihat sebagian atau seluruh proyek kelompok lain,

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

* + - Menyadur sebagian maupun seluruh proyek dari buku,

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

* + - Mendownload sebagian maupun seluruh proyek dari internet,

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

* + - 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,*

* + - Melakukan tindakan kecurangan lainnya,

*Committing other dishonest actions,*

* + - 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* |
| Visual Studio Code  Bootstrap 4  jQuery 3  Node JS  Npm  React JS 16.8.6  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* |
| HTML, CSS, JS, Image Files (JPG / PNG) | HTML, CSS, JS, Image Files (JPG / PNG), Audio Files (MP3 / WAV), Video Files (AVI / MP4) |

## Soal

*Case*

**MySL**

**SL Asiata** is one of the biggest mobile cellular providers in Indonesia which provide phone calls and internet services for mobile phone. Due to the advancement of the internet, **SL Asiata** plans to create its own website called **mySL.** Therefore, **SL Asiata** customers will be able to check their balance and internet plan. As a web designer, you are asked to design an attractive mobile-based website. The language of every content in the website must be written in English, you may use either **bootstrap** or **react** as taught in your practicum class.

The website structure consists of 4 main menus and 1 login page with the following details:

1. **Login**

This page contains a **form** that you must input to enter the home page. You can find the detail information on the table below.

|  |  |  |
| --- | --- | --- |
| **No.** | **Attribute Name** | **Description** |
| **1.** | **SL Number** | * + - Must be filled     - Must start with 0878     - Consist of 12 digits     - Can only be filled with numerical values |
| **2.** | **Password** | * Must be filled * Consist of 5 to 25 characters |
| **3.** | **Login** | * A button that validates the SL Number and Password. If the validation is correct, the home page will be loaded |

1. **Home**

This page contains information about the user. The page consists of a profile picture, SL number, SLbalance, information about the SL data packages, and an **HTML Canvas** that **contain bouncing ball on the background**. The SL Balance is the balance that the user uses to buy an internet plan. You also can log out from this page and return to the login page. Take note that the SL number from the login page and the SL number in home page are the same.

1. **My Package**

This page contains details on the mobile internet package. There is a slider bar which describes how much the internet quotas the user has left. There is also the detail which is the main quota split into 2 types which are the streaming quota, and 3G/4G quota.

1. **Promo**

This page contains a **video** of the company ads which promote the new technology of the company.

1. **Feedback**

This page contains a **form** that is used to send feedback to the company. There is also an **Audio** playing in background **on auto loop**. You can find more information about its attributes in the table below.

|  |  |  |
| --- | --- | --- |
| **No.** | **Attribute Name** | **Description** |
| **1.** | **Name** | * + - Name must be filled with 5 to 25 characters |
| **2.** | **Email** | * Must be filled * Must have one and only one ‘@’ * Must have at least one ‘.’ * Cannot have 2 dots positioned together * Cannot have ‘@’ and ‘.’ positioned together * Cannot starts with ‘@’ or ‘.’   Example:   * **.co -> Invalid Format** * [**SL@.com**](mailto:SL@.com) **-> Invalid Format** * [**SL.@com**](mailto:SL.@com) **-> Invalid Format** * [**SL@SL.co**](mailto:SL@SL.co) **-> Valid Format** |
| **3.** | **Feedback** | * Must be filled. |
| **4.** | **Submit** | * A button that validates the Name, Email, and Feedback. If the validation is correct, a message “Thank you for the feedback 😊” will be shown and the form will be reset |
| **5.** | **Reset** | * A button that reset all the form |

Validate each of the fields with the information of the table above, and you must use **javascript** for the validation. You are not allowed to use **Regex** (Regular Expressions) or use **HTML 5** pattern validation.

Take note that you have to make the website viable on all devices, therefore you must make the **website responsive** on devices with **screen width less than or equals to 1024 pixels** fortablet and **screen width less than or equals to 420 pixels** for mobile.

Complete your website with **CSS3** (Cascading Style Sheet) and **5 JQuery** animation effect to make your website more attractive.

Make appropriate Human and Computer Interaction rules, **8 Golden Rules (Ben Shneiderman, 2009)**, as follows:

* + - 1. Strive for consistency

1. Offer informative feedback
2. Offer simple error handling
3. Permit easy reversal of actions
4. Support internal locus of control.

**Guide**

1. Design your website by observing the principles of **Human and Computer Interaction**. Set up your site as creative as possible but strive for consistency. Feel free to choose the font and color of your website.
2. Consider the right hypertext paradigm (rules), not just a regular document or a brochure on the web.
3. Use the techniques taught during practicum meeting 1 - 12, such as *image tag*, *list*, *semantic elements*, and other techniques based on the case.
4. Make your website responsive on devices with a **screen width less than or equals to 1024 pixels for tablet** and **screen width less than or equals to 1024 pixels** for mobile**.**
5. Organize your files with subdirectories.
6. Make sure your website can be viewed either with **Mozilla Firefox 22++** or above version.
7. Add a **navigation link** to go to other pages. Make sure your navigation links are available and accurate.
8. In the **login** **form** and **feedback form**, use the form component (input type) on **HTML5** which is appropriate for the requested fields.
9. Use **CSS3** to add attractiveness of your website **(at least 2 CSS3 styling, 2 CSS layout, 2 CSS pseudo class and 2 CSS text styling)**.
10. Notice the language you used, including spelling and grammar.
11. File extension that must be collected is **.html**, **.css**, and *image* *file* that is used.

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:
   * All files in your project
   * Other files (image, audio, video, etc.) used in your project
   * \*.DOC file (documentation of your project) that contains reference links of additional files (image, audio, video, etc.) used in your project, etc.

**If you have any question, please ask your teaching assistant**