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| --- | --- |
| **Assignment Case** |  |
| COMP6178  Introduction to Programming |
| **Computer Science** | **O213-COMP6178-MW01-01** |
| ***Valid on*** *Odd Semester Year 2020/2021* | **Revision 00** |

1. Seluruh mahasiswa tidak diperkenankan untuk:

*All students are not allowed to:*

* + 1. Melihat sebagian atau seluruh jawaban mahasiswa lain,

*Seeing a part or the whole answer from other student*

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

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

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

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

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

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

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

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

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

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

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* |
| Java 8  Eclipse 2020.6 |

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

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

|  |  |  |
| --- | --- | --- |
| **Tugas Mandiri**  *Assignment* | **Proyek**  *Project* | **UAP**  *Final Exam* |
| JAVA, CLASS | - | JAVA, CLASS |

## Soal

*Case*

**Paypol**

MoWare is a company engaged in technology and economics. Currently MoWare is developing an application called **Paypol** to facilitate the public in conduction online transactions. You as a programmer are asked to make register menu. The requirements are:

* The application consists of **2 menus**:

1. **Create Paypol Account**
2. **Exit**

A close up of a logo

Description automatically generated

* If user choses menu **1** (“**Create Paypol Account**”), then the program will:
* Ask the user to **input** their **email**. Validate that the **email** must **end with** “**@mail.com**”.
* Ask the user to **input** their **username**. Validate that the **username** must have at least **2 words**.
* Ask the user to **input** their **password**. Validate that the **password** must be between **6 characters** and **20 characters.**
* Ask the user to **confirm** their **password.** Validate that the **password confirmation** must be same as **password.**
* Ask the user their type of **credit card.** Validate that the **credit card** must be either “**Visa”**, **“Mastercard”**, **“Discover”.** (Case Sensitive)
* Ask the user to **Top Up** some amount of money. Validate that the **Top Up** must be between **100** and **1000.**

A screenshot of a cell phone

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* Calculate the **Administration fee** based on this formula:

**Administration fee = Top Up \* 5%**

* Calculate the **Balance** based on this formula:

**Balance = Top Up – Administration fee**

* Display the product detail that consist of **Email**, **Username**, **Password**, **Credit card**, **Top Up, Administration fee,** and **Balance**.

A screenshot of a cell phone

Description automatically generated

* If user choses **menu 2** (“**Exit**”), then the program will be closed.

**Good Luck**