|  |  |
| --- | --- |
| **Assignment Case** |  |
| ISYS6169 | ISYS6169001  Database Systems |
| **Information Systems** | **O223-ISYS6169-LC03103-01** |
| ***Valid on*** *Odd Semester Year 2021/2022* | **Revision 00** |

1. Seluruh mahasiswa tidak diperkenankan untuk:

*All students are not allowed to:*

* + - Berdiskusi dan/atau bekerja sama dengan mahasiswa lainnya

*Discuss and/or work together with other student participants*

* + - Melihat sebagian atau seluruh jawaban mahasiswa lain

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

* + - Membuka dan menyalin dari **BUKU** atau **CATATAN**, **VIDEO** dari pengajar (recording kelas, VBL, Youtube, dsb) dan **REFERENSI** lainnya

*Open and copy from any resources such as notes, videos (class recording, VBL, Youtube, etc) and other references*

* + - Membuka dan menyalin jawaban dari internet (google, stackoverflow, dsb)

*Open and copy answer from the internet (google, stackoverflow, etc)*

* + - 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,*

* + - 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 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. Bila Anda tidak membaca peraturan ini, maka Anda dianggap telah membaca dan menyetujuinya

*If you have missed to read these regulations, so you are considered to have read and agreed on it*

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* |
| 30% | 30% | 40% |

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

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

|  |
| --- |
| **Software**  *Software* |
| SQL Server Management Studio 18.5.1  SQL Server Developer 2019  Microsoft Office 365  Visual Paradigm Community Edition 16.1 |

## Ekstensi file yang harus disertakan dalam pengumpulan tugas mandiri, proyek, dan uap 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* | **UAP**  *Final Exam* |
| SQL | SQL, VPP, Image Files (JPG / PNG) | SQL |

**Tabel Relasional**

*Relational Table*

**CompShop**

**CompShop** is a new established computer shop in Jakarta. **CompShop** provides many kinds of computer components like processor, motherboard, etc. **CompShop** also provides t**ransaction** record for every **customer** that wants to buy computer’s componentand will be handled by a **staff**. The customer can buy more than one computer’scomponent in a single **transaction**.

Diagram

Description automatically generated

## Soal

*Case*

1. Create a table named ‘**MsSoftware**’ with the following description:

(**create table**, **like**)

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Length** | **Description** |
| SoftwareID | CHAR | 5 | Primary Key. SoftwareID must be started with ‘**SW’** and followed by 3 characters of number.  Example: SW001 |
| SoftwareName | VARCHAR | 50 | Cannot be empty. |
| SoftwareType | VARCHAR | 100 | Cannot be empty. Must contain either ‘**Application**’, ‘**System**’, ’**Programming**’, or ’**Driver**’. |

1. Add ‘StaffEmail’ as new column on **MsStaff** table with varchar (50) data type and add a constraint on **MsStaff** that StaffEmail must ends with ‘.com’.

(**alter table**, **add**, **add constraint**, **like**)

Table

Description automatically generated

1. Insert these data into **MsProduct** table:

(**insert**)

|  |  |  |
| --- | --- | --- |
| **Customer** | | |
| **PK** | **ProductID** | **CHAR(5)** |
| FK | ProductTypeID | CHAR(5) |
|  | ProductName | VARCHAR(255) |
|  | ProductDescription | VARCHAR(255) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ProductID** | **ProductTypeID** | **ProductName** | **ProductDescription** |  |
| PD006 | PT001 | WD My Passport Ultra | Portable drive delivers quick and easy storage for your PC |  |

1. Display StaffName (obtained from StaffName in uppercase format), StaffGender and StaffPhoneNumber for every staff whose salary is bigger than **500000**.

(**upper**)

Table

Description automatically generated

1. Update **StaffSalary** on **MsStaff** tableto 100000 for every staff whose has serve customer with id ‘CU004’.

(**update**, **like**)

**Before** update:

Table

Description automatically generated

**After** update:

Table

Description automatically generated