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| **Soal Proyek**  *ProjectCase* | LogoBINUS-University |
| T0403  Current Popular IT I |
| **Teknik Informatika**  *Computer Science* | **O2-T0403-RH01** |
| **Periode Berlaku** Semester Ganjil 2014/2015  ***Valid on*** *Odd SemesterYear 2014/2015* | **Revisi 00**  *Revision00* |

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 Web Developer Express Edition 2010  Microsoft SQL Server 2008 |

## 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:*

|  |  |
| --- | --- |
| **Proyek**  *Project* | **UAP**  *Final Exam* |
| Folder Project (SQL, ASPX, ASPX.VB, ASPX.CS, CONFIG, ASHX, WEBINFO, DLL, PDB, DBML,DBML.LAYOUT, DESIGNER.VB, MDF, LDF, image files (JPG/PNG/GIF)) | Folder Project (SQL, ASPX, ASPX.VB, ASPX.CS, CONFIG, ASHX, WEBINFO, DLL, PDB, DBML,DBML.LAYOUT, DESIGNER.VB, MDF, LDF, image files(JPG/PNG/GIF)) |

## Soal

*Case*

**Plane Toy Collection**

**Plane Toy Collection** is a web site that manages someone’s plane toy collection. One day, a plane toy collector has collected more than 200 items. He wants to make plane toy list he had collected. And he asked you as a Web Developer to build a website that makes plane toy collection easy to manage and users could view his collection as well as comments. In this website, user must firstly log in prior to use some facilities, like managing plane collection and its comments.

**Module 1 : Home**

This page shows a brief description about Plane Toy Collection like the history, how to maintain plane collection, and so on.

**Module 2 : Login**

This page contains a login module provided for registered users in this website

* **Username** (validate that the **username** must not empty and must be registered in the database).
* **Password** (validate that the **password** must not empty and must be registered in the database).

If user successfully log in, show the **username** and change this **log in** link to **log out**.

If a user hasn’t become a member, but tried to enter **Username** and **Password** in the provided field, then display the error message that he/she failed to log in. Therefore, for users who haven’t become a member, he/she could do the registration by clicking the Registration menu.

**Module 3: Plane Collection**

In this page, all plane collections are displayed. There are few columns must be included: **Plane ID**, **Plane Name**, **Plane Type**, **Engine Type**, **Number of Engines**, and **Plane Image**.

Facilities included in this module:

* Update – where the user could make changes to plane collection.
* Delete – where the user could delete an item on plane collection.
* Paging – shows only 5 items per page.

Please note that this module is available to all registered and unregistered users, but Update and Delete facilities are only for registered users.

**Module 4: Insert Plane**

This module could be accessed only for registered users. This module is used for registered users who want to insert a new plane to the database. Here are the components used:

|  |  |
| --- | --- |
| **Field Name** | **Description** |
| **Plane Name** | must be filled and must not contain symbol |
| **Plane Type** | must be chosen (**Military Aircraft**, **Passenger Aircraft**, **Helicopter**, and **Experimental Aircraft**) |
| **Engine Type** | must be chosen (**Turbofan**, **Turboprop**, and **Afterburner**) |
| **Number of Engines** | must be filled and between 1 to 6 |
| **Plane Image** | must be chosen |

Once, after doing the insert, redirect the user to Plane Collection page.

**Module 5: Plane Comments**

In this page, all plane comments are displayed. There are few columns must be included: **Plane Comment ID**, **Plane ID**, **User Name**, and **Comment Body**.

Facilities included in this module:

* Update – where the user could make changes in plane comments.
* Delete – where the user could delete an item on plane comments.
* Insert Comment – where the registered user could insert his/her comment and the Fields to include are only **Plane Type** and **Comment Body**. Field **Comment Body** must be included with **Required Field Validator**. **User Name** could be retrieved from the logged in user name.
* Paging – shows only 5 items per page.

Please note that this module is available to all registered and unregistered users, but **Update**, **Delete** and **Insert** facilities are only for registered users.

**Module 6: Register**

This module is used for users who want to register him/herself. Here are the components used:

|  |  |
| --- | --- |
| **Field Name** | **Description** |
| **Username** | must be filled |
| **Password** | must be filled at least 6 characters and has a special character |
| **Confirm Password** | must be same with **Password** |
| **E-mail** | must be filled and must be in email format (ex: budi@yahoo.com) |
| **Security Question** | must be filled |
| **Security Answer** | must be filled |

Once, after doing the registration, redirect the user to Home page.

Module 7: User Online

This mode shows a number of online users who have logged in. This module is available to any page.

Module 8: Clock

This mode shows the current time with format like “12:34:56 AM”. This module is available to any page. Don’t forget to use **AJAX** for this module..

**If you do not understand, please ask your assistant. Do not make your own assumption**