|  |  |
| --- | --- |
| **Soal Tugas Mandiri**  *Assignment Case* |  |
| MOBI6026  Mobile Cloud Computing |
| **Teknik Informatika**  *Computer Science* | **O163-MOBI6026-AP01** |
| **Periode Berlaku** Semester Ganjil 2016/2017  ***Valid on*** *Odd Semester Year 2016/2017* | **Revisi 00**  *Revision 00* |

* 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.*

* 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”*

* 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*

* 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.*

* 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% | **-** |

* Software yang digunakan pada matakuliah ini adalah sebagai berikut:

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

|  |
| --- |
| **Software**  *Software* |
| Python 2.7.10  Node JS v0.10.35  Eclipse Indigo  Android SDK  Phonegap 2.91  Git 1.9.5  Express 4  Azure Command Line Interface |

* 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* |
| EJS, HTML, JS, CSS, YML, MD,  XML, CLASSPATH | EJS, HTML, JS, CSS, YML, MD,  XML, CLASSPATH, Android  project file (JAVA, CLASS,  PROJECT, CLASSPATH, APK,  DEX, CACHE, XML, image files  (JPG/PNG/GIF), JAR, TXT) |

**Soal**

*Case*

**Cake Shop**

**Cake Shop** is the new innovative program that will provide the user to buy cakes they want using our application. You as a programmer are asked to create that application on the mobile platform. The application contains **7 pages**:

* **Login**

This page is used to **sign in** to **Cake Shop Application**. User can **sign in** with their **Facebook Account**. There are several components in this page:

* **Textfield** for **Email** input
* **Passwordfield** for **Password** input
* **Button** for **Login**
* **Menubar** for redirect to **Login** and **Register**

Requirement for this page:

* If the **Login** button is clicked:
* Validate **Email** must **be** **filled** and match **email format** (e.g : slc@binus.edu)
* Validate **Password** must **be** **filled**
* Validate **Email** and **Password** must **match** with **data** in **database**
* If the **login authentication** is **success**, **this page** will **redirected** to **Home** **Page**
* If the **Menubar** for **Register** is **clicked**, **this page** will **redirect** to **Register** **Page**
* If the **Menubar** for **Login** is **clicked**, **this page** will **redirect** to **Login** **Page**

**NB**: Use **HTML5** to validate **email** and **password**

* **Register**

This page is used to **register new member** in **Cake Shop**. There are several components in this page:

* **Text field** for **Email** input
* **Text field Display name** input
* **Password field** for **Password** input
* **Radio button** for choosing **Gender** (**Male**, **Female**)
* **Text area** for **Address** input
* **Button** for **Register**
* **Button** for **Reset**

Requirement for this page:

* If the **Register** button is clicked:
* Validate **All fields** must be filled
* Validate **Email** must match **email format** (e.g. : slc@binus.edu)
* Validate **Gender** must be chosen
* If **all fields are valid**, **insert user data** to **database** and **redirect this page** to **Home Page**

**NB**: Use **HTML5** to validate **email** and **password**

* **Home**

This page is used to introduce **Cake Shop** to user. **Every time user** **redirected** to this **page**, **program** will **check** **logged on user**, and **display a welcome message** and **user**’**s name**.

* **Profile**

This page is used for user to **update user**’**s info** of **current** **logged** **in user**. There are several components in this page:

* **Text field** for **Email** input
* **Text** **field** for **Display name** input
* **Password field** for **Password** input
* **Radio button** for choosing **Gender** (**Male**, **Female**)
* **Text area** for **Address** input
* **Button** for **Update Profile**

Requirement for this page:

* **All fields** has **initial value** from **current logged in user**
* If user click **Update** **Button**,validate:
* Validate **All fields** must be filled
* Validate **Email** must match **email format** (e.g. : slc@binus.edu)
* Validate **Gender** must be chosen
* If **all fields are valid**, **update user data** to **database** and **redirect this page** to **Login Page**
* **Product**

This page is used to **show list of** **cakes that we sell on our application**. There are several components in this page:

* **For each Cake**,display **Cake**`**s Name** that links to the **Cake Detail Page**
* If the **Cake**’**s** **Name** is **clicked**, **redirect** to **Cake Detail** **Page** for corresponding Cake
* **Numeric up down field** for **Quantity** input
* **Button** for **Buy**
* If user click **Buy** :
* Validate the **Quantity** must be filled
* Validate the **Quantity** must be numeric
* Validate the **minimum** **Quantity** is 1
* If **all fields are valid**, **insert the data** to **database** and **redirect this page** to **History Page**
* **Cake Detail**

This page is used for **showing cake detail that user has selected**.

In this page, there **are several actions** in **this page**:

* **Display** **Cake Image, Cake Name**, and **Description**
* **History**

This page is used for **showing** the **list of** **history transaction** **that had done by** **user**. There are several components in this page:

* **For each Cake**,display **Cake**’**s Name**, **Quantity**,and **Delete Button**.
* If the **Delete Button** button is clicked, **delete** the **selected history** from **database** and **refresh** the **current page**

**ERD:**



**If there is something you don’t understand, feel free to ask your Assistant**

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

* Use appropriate software for this subject based on **Sistem Praktikum** that can be downloaded from Binusmaya.
* Collect appropriate files for this subject based on **Sistem Praktikum** that can be downloaded from Binusmaya.
* 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 all pages in your project, reference links of additional files (image, audio, video, etc.) used in your project, the description about how to use your application, etc