German University in Cairo
Media Engineering and Technology
Dr. Mervat Abuelkheir

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Databases I, Winter 2024
Project Description
Milestone 3
Deadline: 6/12/2024

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In this milestone, you are required to implement a web application with a user interface that connects to your already implemented database in the previous milestone to perform the different functionalities described in the project.

In your website development, you can use Asp.net using the uploaded guide on CMS or any other technology that you prefer.

Deliverables:

You are required to submit the following:

• .zip file, named after your team number, having the following documents:
1. Source code of the submitted website: All the source code files needed to run the project.
2. SQL Script of the implemented Database: SQL file containing the script of the data of the database that you have implemented on SQL Server (submit the script (Milestone 2)).
3. A PDF file containing:

   * Full name.

   * Tutorial group.

   * ID.

Submission guidelines:
• The deadline of submission for this milestone is Friday 6th of December at 11:59 p.m.
• No late submissions will be accepted under any circumstances.
• There will be a bonus grade for exceptional user interface designs.

Read the following carefully:
• In this document, we divided the website into two main components including 5 parts.
• The grade for each team member will be based on his/her delivered part.
• There will also be a grade for merging all parts together in a fully connected website. This grade is shared between all team members.

Web Application Components

a) You have to show whether any action on the website was successful or not. In case of any unsuccessful action, you need to notify the user with the reason and the steps needed to correct the action.
b) The items of each component should be integrated with each other. Furthermore, all components should be integrated together. In other words, we should be able to navigate through your website from one functionality to another by interacting with the web pages of the website and NOT by changing the URL.

1.Admin Component:
 In this component you are required to deliver all pages of the application
that holds the following functionalities for any signed-in Admin: This component is divided into two sub-parts. One for each team member.

Admin Component Part 1:

1. login using my admin ID and password (noting that admin Id and password will be hard coded as we don't have an admin table in our database schema).
2. View details for all customer profiles along with their active accounts.
3. View the list of all physical stores along with their redeemed voucher's ids and values.
4. View details for all resolved tickets.
5. View all customers' accounts along with their subscribed service plans.
6. List all customer accounts subscribed to the input plan id on a certain input date.
7. Show the total usage of the input account on each subscribed plan from a given input date.
8. Remove all benefits offered to the input account for a certain input plan ID.
9. List all SMS offers for a certain input account.

Admin Component Part 2:

1. View details of all wallets along with their customer names.
2. View the list of all E-shops along with their redeemed voucher's ids and values.
3. View all payments' transaction details along with their initiated Accounts.
4. View the total number of cashback transactions per each wallet ID.
5. Show the number of accepted payment transactions initiated by the input account during the last year along with the total amount of earned points.
6. Show the amount of cashback returned on the input wallet id based on a certain input plan id.
7. Show the average of the sent transaction amounts from the input wallet id within a certain input duration (Start date and End Date).
8. Show if the input mobile Number is linked to a wallet, or not.
9. Take mobile number as an input then Update the total number of earned points that it should have.

2.Customer Component:

In this component you are required to deliver all pages of the application that holds
the following functionalities for the logged in Customer. This component is divided into three
sub-parts. One for each team member.

Customer Component Part 1:

1. View details of all offered Service Plans.
2. Login using his account mobile Number and password.
3. View the total SMS, Minutes and Internet consumption for an input plan name within a
   certain input duration (Start Date and End Date).
4. Display all the company offered plans that the logged-in customer is not subscribed to
   through inserting his mobile number as an input.
5. Shows the usage of the account's active plans during the current month by taking the
   customer's mobile number as an input.
6. Shows all the cashback transactions related to the wallet of the input customer National
   ID.

Customer Component Part 2:

1. View details for all active Benefits.
2. Shows the number of technical support tickets that are NOT 'Resolved' for each account
   of the input customer.
3. Show the voucher with the highest value for the input account.
4. Display the remaining amount for the last payment initiated by the input account for a
   certain plan.
5. Display the extra amount for the last payment initiated by the input account for a certain
   plan.
6. Show the top 10 successful payments for the input account with the highest value.

Customer Component Part 3:

1. View details for all shops.
2. Show all service plans the input account subscribed to in the past 5 months.
3. Renew the subscription of the input plan id for a certain mobile number through a
   payment transaction with a specific input amount.
4. Get the amount of cashback that will be returned on the wallet of the customer of the
   input mobile number from a certain payment transaction of a specified benefit.
5. Recharge balance for an input mobile number through a chosen payment method with a
   certain amount of payment.
6. Redeem a certain voucher ID.