



GHANA TECHNOLOGY UNIVERSITY COLLEGE/COVENTRYUNIVERSITY
FACULTY OFCOMPUTING&INFORMATION SYSTEMS
Section A–To be completed by the student

Family Name(s)		Agbakpe		Module No. Faculty Date Stamp (or signature and date)	
Forename(s)		Edem Kojo			
ID Number(s) (from your student card)		050918026			
Estimated Time taken (hrs) (per student for group coursework) Word limit: 2000 words		Coursework type: Individual Report			
Lecturer	Mr. Buckman		Lab group/ Tutorial group/Tutor (if applicable)		
Module Code and Title					
Assignment No./Title			Extensions & late submissions allowed:		
Estimated Time: 80hours	Assignment type:(Individual/Group) Individual report		% of Module 60	Hand out date:15/04/2021 ----- ----- Due date:22/11/2021	
Penalties: Marks will be reduced by 10% of the original mark for every week late. No work will be accepted that is more than two weeks late. If you are unable to submit coursework on time due to extenuating circumstances you may be eligible for an extension.					
Declaration: I/we the undersigned confirm that I/we have read and agree to abide by the University regulations on plagiarism and cheating and Faculty coursework policies and procedures. I/we confirm that this piece of work is my/our own. I/we consent to appropriates to rage of our work for checking to ensure that there is no plagiarism/academic cheating.					
Signature(s):					
Marks break down and Assessor's Feedback				Max	Awarded
<i>Please continue on the reverse of this sheet if needed.</i>					
Assessor's name		Assessor's signature		Total	

Coursework Mark	Extension Agreed until:(Yes/No)	Deduction for Late Submission (Penalty)	Final Mark
Date: Signed internal or: moderat		Date: Programmed Leader Signature:	

Section B-To be completed by the assessor

Ghana Commercial Bank (GCB) System

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Introduction

This project's primary goal is to create software for a bank account management system. This project was created to carry out processes easily and quickly, which is impossible with manual systems and is overcome by this software. For database connectivity, this project was built with PHP, HTML, and MYSQL. IT, systems, and product development projects, as well as any activity involving the management of a contractual relationship, face difficulties in developing and managing requirements.

Technical Specification

This is a documentation of my bank management system in using the following technology stack;

Front End – HTML, CSS, PHP

Backend – PHP

Database – mySQL

For the security of the bank web app, the type of authentication used was the basic username and password. There are two ways to log in. That is as either an admin or a normal user. The user and admin can both perform CRUD operations.

System Design

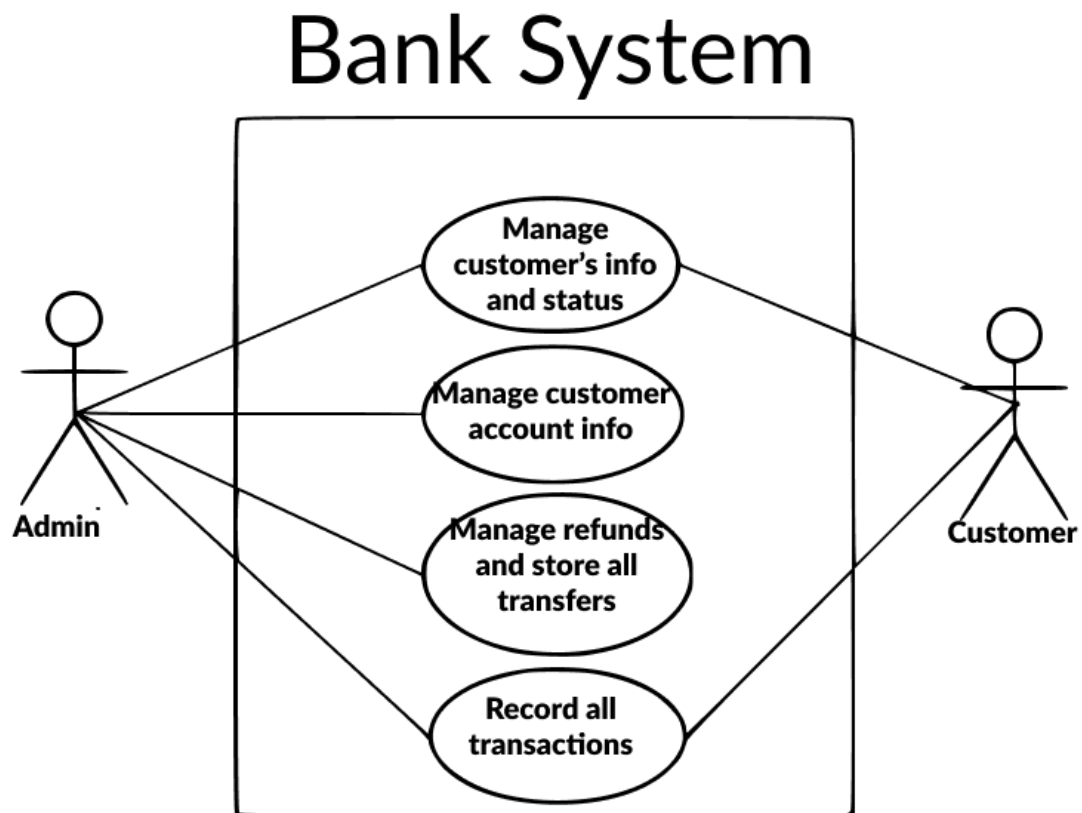
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Front End – HTML, CSS, PHP

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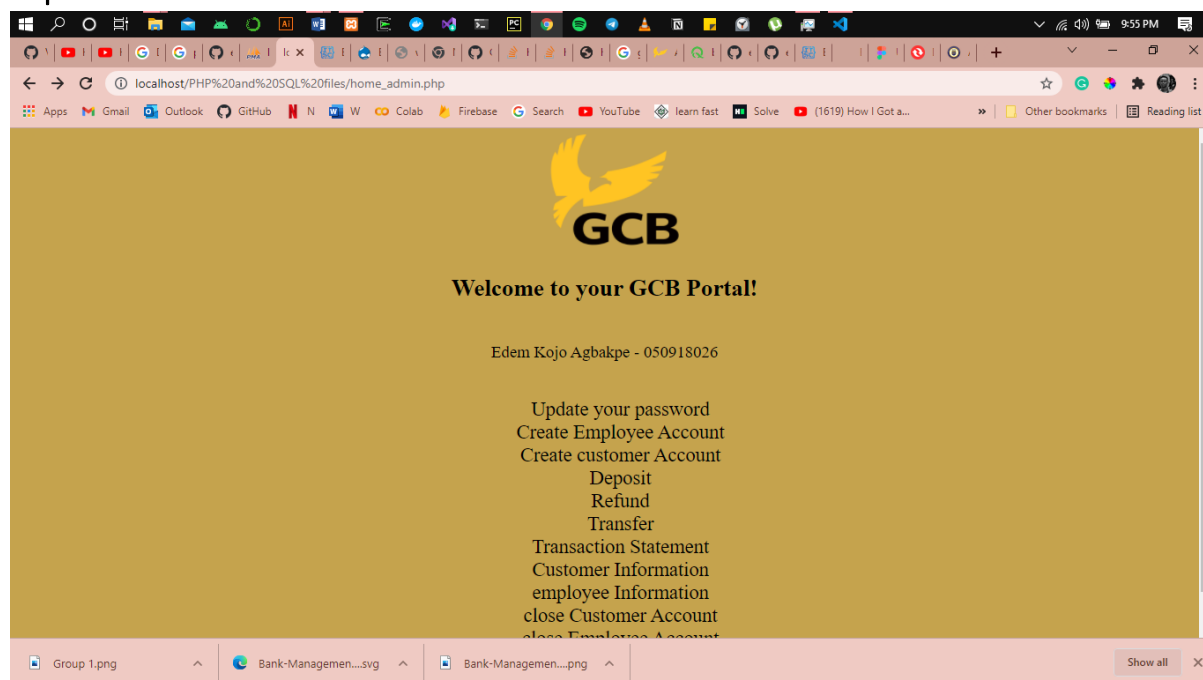
Use case Diagram



USE CASE DIAGRAM

Users can have money in their balances. The initial deposit when an account is created is 500. But Customers are not allowed to make transactions until money is deposited into the account. All field have validation to make sure an empty string is not inputted.

Explanation



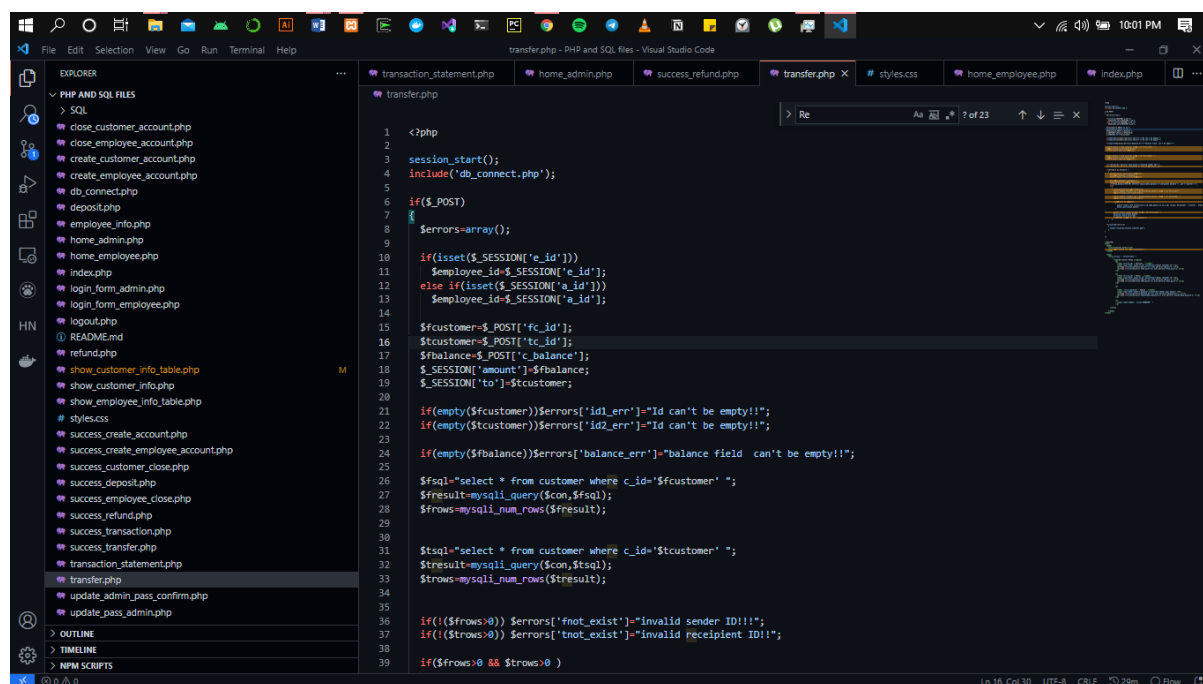
After creating an account or logging in this is the first page shown.

This is the main menu

The connection to the database is stored in the db-connect.php file and is used through-out the project to include the database.

PHP supports Get, Post, Delete among other REST API functions.

An example of how the API is used can be found below.

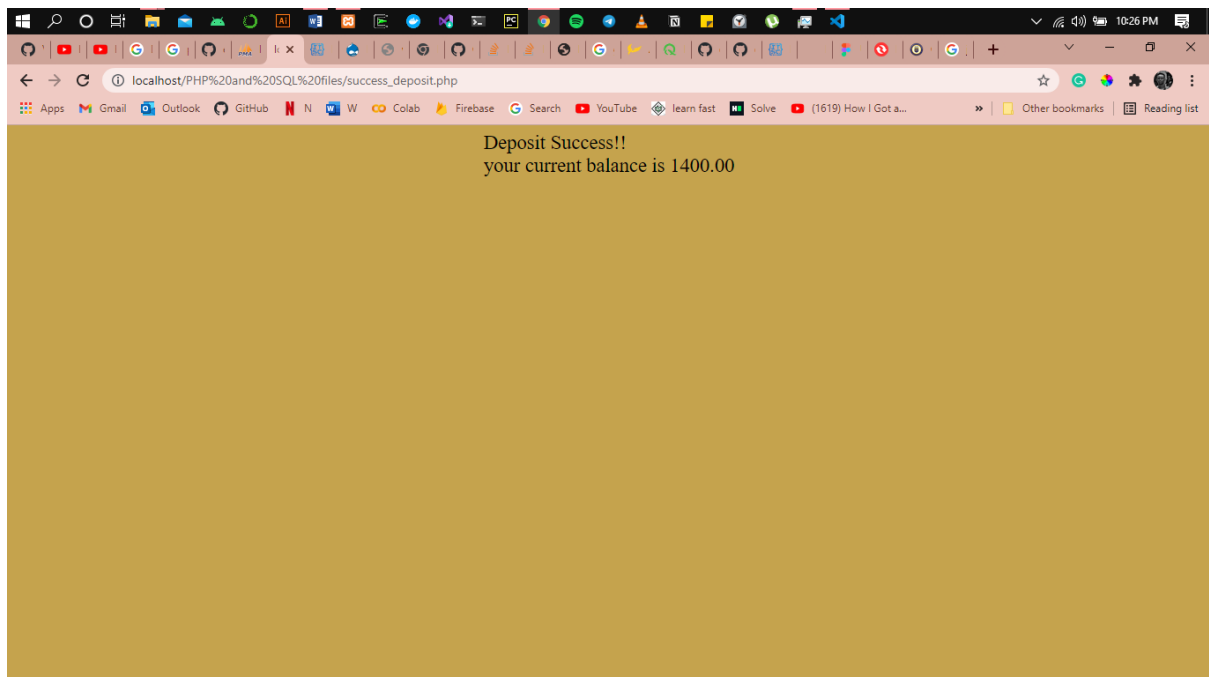


From line 15, the \$_POST is called on three tables to perform a Post request. It is for submitting whatever input that was made into the html form into the database.

```

77 >>
78
79
80 <!DOCTYPE>
81 <html>
82 <head>
83 <title>transfer_form</title>
84 <link href="styles.css" rel="stylesheet">
85 </head>
86
87 <body>
88 <form action="" method="post">
89
90 <legend>Transfer Money </legend>
91
92 <p>
93 <label for="fc_id"> ID(from) : </label>
94 <input type="text" name="fc_id" placeholder="Enter customer id"><br>
95 <p><?php if(isset($errors['id_err'])) echo $errors['id_err'];></p>
96 <p><?php if(isset($errors['tnot_exist'])) echo $errors['tnot_exist'];></p>
97 </p>
98
99 <p>
100 <label for="tc_id"> ID(to) : </label>
101 <input type="text" name="tc_id" placeholder="Enter customer id"><br>
102 <p><?php if(isset($errors['id_err'])) echo $errors['id_err'];></p>
103 <p><?php if(isset($errors['tnot_exist'])) echo $errors['tnot_exist'];></p>
104 </p>
105
106 <p>
107 <label for="c_balance"> Amount : </label>
108 <input type="text" name="c_balance" placeholder="Enter your Amount"><br>
109 <p><?php if(isset($errors['balance_err'])) echo $errors['balance_err'];></p>
110 <p><?php if(isset($errors['unavailable_balance'])) echo $errors['unavailable_balance'];></p>
111 </p>
112
113 <p>
114 <input type="submit" value="TRANSFER">
115 </p>
116

```



Logins

#Admin

username: Admin1

password: 12345

#Employee

username: employee1

password: 12345