

# EE417- Web Applications Development

## **Group Assignment – Group F Minutes**

**Author:** Daire Cooney

**Project Name:** Complete Web Application

**Project Stage:** Project Planning

**Date:** 25/03/2021

**Present:** Mark McGrath

Michael O'Hara

Rui Fan

Remi Bertogliati

Daire Cooney

Ciaran McCormack

Matthew LeBeouf

Corentin Lestanc

**Apologies:** Saimi Saleem

Sepeng Yang

## Meeting Objectives

After the group held an initial meeting on the 18/03/2021, the meeting, hosted by Mark McGrath, was concerned with the following objectives:

- To finalize the roles and responsibilities of each individual and to make sure each party was fully aware of their obligations and what are the expectations for each role.
- To make some inroads in terms of the layout and structure of the project such as what functionalities would be implemented.

The aim of this meeting was to set up a structure whereby every member would be assigned their tasks and to set deadlines for these objectives to be completed. The group decided that constant communication between the parties via the WhatsApp group chat would be imperative for the project to run smoothly and efficiently.

**Note: Unless otherwise specified, all actions listed in these minutes should be completed in time for our next formal Zoom call on Tuesday 30th March at 10.30am.**

## Meeting Actions

### Roles

When everyone who has interacted with the project thus far had joined the weekly call, the group decided to divvy out the roles

**Action: Mark McGrath shared his screen and the roles were assigned to each individual**

Every individual gave their input of their preferred roles and the Following Roles were assigned:

Person	Role
Mark	Project Demo and Project Docs
Michael	Testing, GitHub, and Project Docs
Ciaran	Servlets, JSP, and Project Docs
Daire	JavaScript and Project Docs
Rui	Front End and Project Docs
Mathieu	DB and JDBC, and Project Docs
Remi	Front End and Project Docs
Corentin	Servlets, JSP, and Project Docs
Saima (not engaged)	Cloud Deployment
Sipeng (not engaged)	Testing

With the Roles assigned to each individual, the next task was to structure our web application.

### Web Application Structure

The group then begin to string together some ideas on how the website will be structured

**Action: Mark McGrath used a whiteboard to note the ideas each individual suggested.**

It was agreed on the previous meeting that the web application would be a sophisticated banking application. The application has to satisfy the following requirements per the project briefing:

- Minimum 5 or more static web pages connected through hyperlinks with reasonable contents in each page, with menu bar and navigation.
- Have some client level JavaScript functionalities such as events handling, forms validation and dynamic contents creation at the client side.
- Minimum 5 or more dynamic pages created through Servlets or JSP displaying contents based on the context or user input.
- Have a back-end database running and connected through server-side programming where data can be dynamically queried or updated.
- Have a login functionality showing multiple roles for different kinds of authenticated users.
- Deployment of application on EC2 cloud (link and login details will be provided) and/or a packaged war file submission with scripts for database creation and installation instructions (read me file).
- A comprehensive project documentation, including introduction to the application domain, requirements gathering, technology selection decisions, code management decisions, roles assignments and responsibilities, minutes of group meetings and installation instructions including readme file. Ideally, a screencast with audio explanation or at least screenshots of different pages/functionalities with text explanation should be submitted.

In order to satisfy these requirements, the following pages were decided to be incorporated into the web application:

- Home page: This would be a simple landing page for when the user opens up the banking page. This page would display options for the user to login or sign up to be part of the bank.
- Login Page – Here the user would submit their details to login into their account to view their details.
- Signup Page – Here a new user can sign up to be part of the bank. When they sign up, they are assigned **BOTH** a Current account and a Deposit account. The sign-up page will have the following fields: Name, Address, Email, Phone number and with an admin only field of an overdraft limit and a hidden form field with a customer ID.  
**Action: The group decided that the customer ID will be comprised of the letter C followed by 5 random digits and that each individual will be assigned an IBAN number that will be comprised of "BFG" and 6 random Digits followed by their account number.**
- Account page: The account page would be where the user logged in had the option on viewing the following items: Statements, Withdrawals, Deposits, Transfers, Bills, Standing Orders.  
**Action: The group decided that these options would be placed into a dynamic sidebar.**
- Login and Sign up Servlets: These pages would be linked to the sign up and login static pages and would be triggered when the form on each page was submitted.
- Database page: This is where all of the information on each user will be stored that can be accessed by their customer ID.

- About Page: A static page that will show details on the bank.  
**Action: The group decided that the name of the bank will be GFB – Group F Bank**
- FAQ: This page would provide some support for users who may be struggling to access their accounts or navigate the website.

**Action: All present group members agreed unanimously that this would be the web application structure.**

## Deadlines and Preliminary Tasks

With the basic structure of the Website defined by the whole group, preliminary tasks were set out to each individual to be completed or worked upon for the next meeting on Tuesday 30th March at 10.30am.

- Remi & Rui – Work on a wireframe and work on the Account page.
- Michael – Install Selenium web driver for testing and to get an Eclipse IDE implemented on GitHub
- Corentin and Ciaran – To collaborate with Remi and Rui on the server side with the account age. Make login and Sign up servlets.  
**Action: Corentin and Ciaran decided to use HTTP Sessions to process data from Client side.**
- Daire: Make the random generated sequence for Both the IBAN and Customer ID as well as plan the form validation for the form.

These tasks were all assigned to the team to complete before our next meeting, ideally on Monday the 29<sup>th</sup> of March.

## Next Steps

If all members complete their tasks before the next meeting, the group will have a good foundation built for the Web Application. On the next meeting, the code that has been written will be evaluated on its progress and the next steps to enhance the website and improve the code will be taken. The milestones for the next 3 weeks until the project submission has been set out below:

Week1 : 22/03/2021 – 28/03/2021

Work on basic functionality of the website as well as the structure of the website.

Week 2: 29/03/2021 - 11/04/2021

Continue working on development of the website with more functionality implemented.

Week 3: 12/04/2021 – 18/04/21

Testing and general bug fixes.

