



Faculty of Computing

SECP2523 – DATABASE

SEMESTER 1 - 2024/2025

INITIAL SYSTEM PROPOSAL
KKK Online System

Group Name: Tech Hi-Five

Members:

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Stakeholder:

Representative Name	Date Interviewed
Encik Ahmad	14 Mei 2024

PROPOSED SYSTEM BACKGROUND

1. Introduction

This project proposes the development of a standalone, web-based digital system, “KKK Online System,” to replace the manual processes currently used by Koperasi Kakitangan KADA Kelantan Berhad (KKK). The system aims to streamline key cooperative functions—such as membership application, loan application, application approval, and report generation. The main goal of this project is to digitalise these processes.

2. The Existing System

Currently, the cooperative uses a fully manual system to do the cooperative processes such as new member registration, loan application, and applications approval. Using the manual method, applicants need to fill in a physical member application form and loan application form, whereas the cooperative staff need to verify and check the eligibility of the information provided by the applicants manually. After the meeting with the Board of Directors, the cooperative staff will inform the applicants about their application result. Figure 1, Figure 2, and Figure 3 are a few examples of the physical form and documents of the cooperative.

The manual system faced some challenges such as the low work efficiency, high possibility of manual errors, information backup difficulties, and data integrity. Therefore, the cooperative requires an automated system to solve their problems.

Figure 1: Member Application Form

KOPERASI KAKITANGAN KADA KELANTAN BERHAD
PERMOHONAN MENJADI ANGGOTA

MAKLUMAT PERSONAL

NAMA: _____ JANTINA ☐ LELAKI ☐
NO. KP: _____ PEREMPUAN ☐
TARAF PERKAHWINAN: _____ AGAMA: ☐ ISLAM ☐ LAIN-LAIN ☐
ALAMAT RUMAH: _____ Nyatakan

POSKOD: _____ NEGERI: _____ BANGSA: ☐ MELAYU ☐ LAIN-LAIN ☐
Nyatakan

NO. ANGGOTA: _____ NO. PF: _____
JAWATAN & GRED: _____
ALAMAT PEJABAT (Tempat Bertugas): _____
POSKOD: _____
NO. TEL/FAX: _____
NO. TEL BIMBIT: _____
NO. TEL RUMAH: _____
GAJI BULANAN: RM _____

MAKLUMAT KELUARGA

BIL	HUBUNGAN	NAMA	NO. K/P @ NO. SRT BERANAK

*JILA BUAT LAMPIRAN JIKA RUANGAN YANG DICEDAHKAN TIDAK MENCUPUTI

YURAN DAN SUMBANGAN

JIKA DI TERIMA SEBAGAI ANGGOTA, SAYA BERSETUJU MEMBAYAR YURAN DAN SUMBANGAN BULANAN SEPERTI DI BAWAH :

BIL	PERKARA	RM
1	FEE MASUK	
2	MODAH SYER *	
3	MODAL YURAN	
4	WANG DEPOSIT ANGGOTA	
5	SUMBANGAN TABUNG KEBAIKIKAN (AL-ABRAR)	
6	SIMPANAN TETAP	
7	LAIN-LAIN	

*MAYORITI MODAL SYER ADALAHY DIBAYAR RM 500.00 DARI 100% DARI NISBET 1:1 DARI MODAL SYER KOPERASI DAN MENYALUR DITURUNKAN DARI MODAL SYER KOPERASI & BUKAN DARI TABUNG KEBAIKIKAN KOPERASI ANGGOTA

Figure 2: Member Financing Application Form

PERMOHONAN PEMBIAYAAN ANGGOTA

BUTIRAN BUTIR PEMBIAYAAN

JENIS PEMBIAYAAN: ☐ AL-BAI, ☐ BAK PULIH KENDERAAN, ☐ AL-INAH, ☐ CUKAI JALAN, ☐ SYUK KHAS, ☐ LAIN-LAIN. Nyatakan: _____

AMALAN DIPONON: RM _____ ANSURAN BULAN: _____ TEMPOH PEMBIAYAAN: _____ BULAN: _____

BUTIRAN BUTIR KANDIDAT

NAMA: _____ JANTINA: ☐ LELAKI, ☐ PEREMPUAN
 NO. KP: _____ UMUR: _____ AGAMA: ☐ ISLAM, ☐ LAIN-LAIN
 ALAMAT RUMAH: _____ No. 1: _____ No. 2: _____
 NO. ANGGOTA: _____ NO. PF: _____
 JAWATAN: _____
 ALAMAT PEJASAT (Tempat Bertugas): _____
 NAMA BANK/ONG: _____ NO. AKAUN BANK: _____

PERKARAAN PEMOHON

Saya _____ No. KP: _____ dengan ini memberi kuasa kepada KOPERASI KAKITANGAN KADA KELANTAN BERHAD atau wakilnya yang sah untuk mendapatkan apa-apa maklumat yang diperlukan dan juga mendapatkan bayaran balik dari penangan gaji dan emolument saya sebagaimana amanah yang dipinjaman. Saya juga bersetuju menerima sebarang keputusan dari KOPERASI ini untuk membatalkan permohonan tanpa memberi sebarang alasan.

Tandatangan: _____ Tarikh: _____

BUTIRAN BUTIR PENJAMIN

PENJAMIN 1: NAMA _____ NO. KP _____ NO. PF _____ NO. ANGGOTA _____
 PENJAMIN 2: NAMA _____ NO. KP _____ NO. PF _____ NO. ANGGOTA _____

Adalah dengan ini saya/kami dengan nota hati bersetuju bersama-sama atau berasingan bertanggungjawab sepenuhnya ke atas anuran harga barangan atau pembiayaan ini. Kami berjanji akan membayar balik seluruh anuran hutang yang diberikan kepada penjamin di atas jika sekiranya beliau tidak dapat membayar balik anuran itu mengikut perjanjian yang telah dipersetujui.

Tandatangan Penjamin 1: _____ No. KP: _____ No. PF: _____ No. ANGGOTA: _____
 Bertandatangan: _____ No. Telefon: _____

PENGESAHAN MAJLIS

Kami mengesahkan bahawa: _____ No. KP: _____ telah memberikan butir-butir peribadi dan maklumat pendapatan selesai dengan rekod pekerjaan kakitangan tersebut. Kami juga mengesahkan bahawa kakitangan adalah berjawatan tetap.

Gaji pokok sebulan: RM _____
 Gaji bersih sebulan: RM _____

REKOD KEMAMPUAN PEMADAI

Tarikh Permohonan diterima: _____ Bil. Permohonan: _____
 Jumlah Syer dan Yuran Terkumpul: _____
 Jumlah baki pinjaman sedia ada: _____
 AL-BAI: _____ BAK PULIH KENDERAAN: _____
 AL-INAH: _____ KARNIVAL MUSIM ISTIMEWA: _____
 SYUK KHAS: _____ LAIN-LAIN (Nyatakan): _____
 CUKAI JALAN: _____

Jumlah Persekitaran Koperasi: _____

Nota Koperasi: _____
 1. Bilan: _____
 2. Berhijab: _____

Kepuasan Menerima (Jawatan Kuasa Pembiayaan): _____
 1. BUKU LULUS: _____
 2. Berhijab: _____

Tandatangan Pengurus Besar: _____
 Tandatangan Pengerusi LK Pembiayaan: _____
 Bertandatangan: _____

Figure 3: Financial Statement Verification Form

NAMA: MOHD ROSLAN B ISMAIL
NO. K/P: 740807-03-5479
NO. PF: 2273
NO. AHLI: 1579

Tuan/Puan,

PENGESAHAN PENYATA KEWANGAN AHLI KOPERASI KAKITANGAN KADA KELANTAN BERHAD BAGI TAHUN BERAKHIR 30 JUN 2023.

Untuk penentuan Juruaudit, kami dengan ini menyatakan bagi akaun tuan/puan adalah sebagaimana berikut:

MAKLUMAT SAHAM AHLI:

Modah Syer:	Modal Yuran:	Simpanan Tetap:	Tabung Anggota:	Simpanan Anggota:
RM	RM	RM	RM	RM

MAKLUMAT PINJAMAN AHLI:

Al-Bai:	Al-Innah:	B/Pulih Kenderaan:	Road Tax/Insurans:	Khas:	Al-Qadrol Hassan:
RM0.00	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00

PENGESAHAN BAGI PENYATA KEWANGAN AHLI KOPERASI KAKITANGAN KADA KELANTAN BERHAD BAGI TAHUN BERAKHIR 30 JUN 2023

Saya _____ No. Ahli: _____ mengesahkan bahawa Penyata Kewangan Koperasi Kakitangan KADA Kelantan Berhad bagi tahun berakhir 30 Jun 2023 adalah benar:

Tandatangan: _____
 Tarikh: _____

Nota:
 1. Sila tandakan (✓) di salah satu kotak diatas.
 2. Sekiranya pihak Koperasi tidak menerima sebarang maklumbalas daripada tuan/puan sehingga 30 Jun 2023, maka pengesahan penyata ini dianggap betul dan tuan/puan bersetuju.

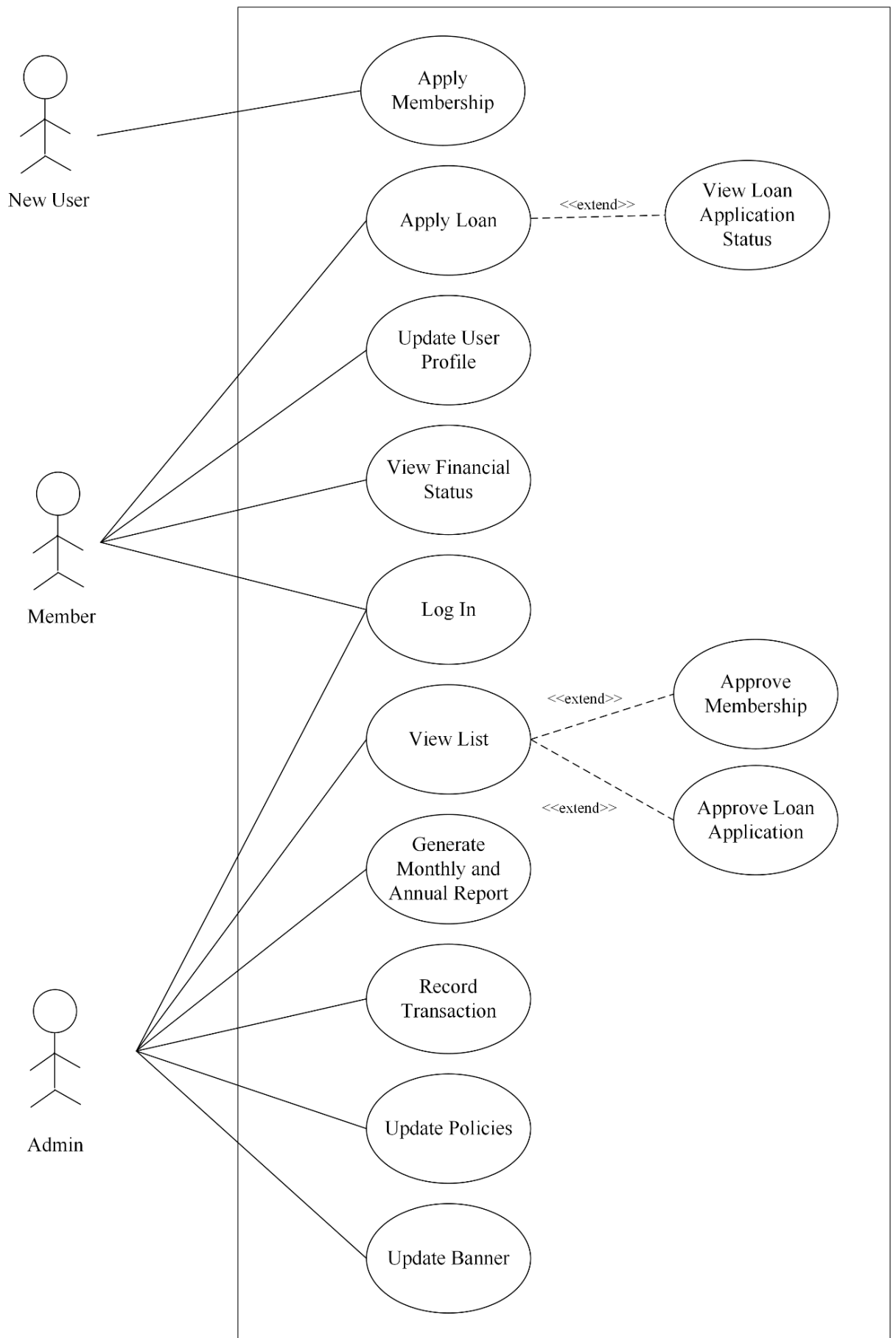
3. The Proposed System

The proposed system, namely “KKK Online System” will transform key operations like member registration, loan applications, and financial reporting by replacing manual processes with a digital platform.

Figure 4 shows the use case diagram of the proposed system with 3 user roles, namely “New User”, “Member” and “Admin”

Figure 4 Use Case Diagram of KKK Online System

KKK Online System



1. Apply Membership

The employees in KADA can apply to be a member of the KKK cooperative by filling in the online form and upload any required documents. Once their application is approved, the user would be able to log in to the system.

2. Login

The cooperative member and the administrator can log in the system by using the correct login credentials. The members will then be directed to the member's page and the administrator will be directed to the administrator's page.

3. Apply Loan

The cooperative members can apply for financing services from the cooperative by filling in the online form and upload any required documents. Upon submission, they would be able to see their application status through the system.

4. Update User Profile

The cooperative members can update their user personal information, and the family and inheritor information.

5. View Financial Status

Upon log in to the system, the cooperative member would be able to view their financial status including the share information (Maklumat Saham Ahli) and the loan information (Maklumat Pinjaman Ahli).

6. View List

The administrator would be able to view the list of membership and loan applications as well as the existing members and borrowers. Besides, the admin would be able to update the status of the membership and loan application.

7. Generate Monthly and Annual Report

The admin can generate monthly and annual reports that summarise the financial and membership information.

8. Record Transaction

After a transaction settled between the stakeholders, the admin would update the transaction in the system to reflect the transaction in the member profile. This includes updating the amount of share capital, funds, contributions and loans.

9. Update Policies

The administrator would be able to update policies such as the minimum membership, minimum share capital requirement for loan application, loan interest rate, maximum loan repayment duration and maximum financing amount.

10. Update Banner

The administrator can update the website banner. This ensures the sustainability of the system.

In terms of technologies used in designing and developing the system, Figma could be utilised to design the prototype while technologies such as HTML, CSS, JavaScript, PHP and MySQL databases can be used to develop the system.

4. Glossary

Acronyms	Meaning
KKK	Koperasi Kakitangan KADA Kelantan Berhad
KADA	Lembaga Kemajuan Pertanian Kemubu
HTML	HyperText Markup Language
PHP	Hypertext Preprocessor
CSS	Cascading Style Sheets