USSD App Development Assignment

Assignment Overview

This assignment focuses on developing a USSD application with a database, multiple language support, and session management. The application will guide users through a series of menus to access information or perform tasks.

Requirements

Database Structure

The application must use a database with at least two tables.
Details of the tables and their structures are:

Table Name	Columns
Sessions	sessionID (Primary Key), phoneNumber, Userinput(text)
Transactions(Your other tables of transactions)	

Session Management

The application should implement a clear session management system. It should remember the user's language selection and navigate them through at least three levels of menus.

First Menu

The first menu should display a welcome message in at least two languages.

Language Selection

The first session menu should prompt users to select a language from the available options.

Menu Design

All menus should be clear, short, and precise to ensure easy user understanding.

Application Flow

1. **Welcome Screen**: Display welcome messages in multiple languages.
2. **Language Selection**: Prompt the user to select their preferred language.
3. **Main Menu**: Display the main menu options based on the selected language.
4. **Sub-menus**: Provide further navigation through sub-menus, offering different functionalities.

Example Menu Flow

1. Welcome Screen (English & Another Language)

1. Welcome / Karibu
Select Language:

1. English

2. Other Language

2. Level 2 menus

Other Operations:

1. Other menu

2. Other menu

3. Main Menu (English)

Main Menu:

1. Some menu

2. Some menu

0. Back

Development Notes

- Ensure database connectivity and proper data retrieval.
- Implement error handling for incorrect user inputs.
- Keep menu options brief and straightforward.

Deliverables

- Source code of the USSD application.
- Database structure and schema.
- Documentation of the menu flow and functionality.