QBee Academy Kodular Syllabus

Module 1: Introduction to Kodular

- Getting Started with Kodular
- Overview of the Kodular platform
- Basic app creation: Hello World app
- **Project:** Create a simple app that displays a welcome message

Module 2: User Interface Design

- Buttons, Labels, TextBoxes
- Layout components: Horizontal and Vertical arrangements
- Designing static page layouts
- **Project:** Design an About Me page with text and image components

Module 3: Login Form Design

- Designing a login form UI with input fields for username and password
- Simple screen navigation between login and home screens
- **Project:** Develop a login app with sign-in and sign-up functionality

Module 4: Media

- Implementing camera functionality for capturing photos
- **Project:** Create a camera app that allows users to capture and save photos
- **Coverage:** Understanding media components, capturing images, and basic photo handling.

Module 5: Calculator App

- Implementing basic arithmetic operations
- Using button components for user interaction
- **Project:** Create a calculator app with addition, subtraction, multiplication, and division functionalities
- **Coverage:** Understanding mathematical operations and user interaction in app development.

Module 6: Birthday Reminder

- Input field for adding and storing birthdays
- Displaying reminders in a list format
- **Project:** Develop a birthday reminder app that stores and displays upcoming birthdays
- **Coverage:** Handling data input, storage using TinyDB, and dynamic list display.

Module 7: To-Do List App

- Creating dynamic lists for tasks
- Adding, editing, and deleting tasks
- **Project:** Build a to-do list app where users can manage tasks with basic CRUD operations
- **Coverage:** Implementing dynamic data handling, including adding, editing, and deleting tasks.

Module 8: Final Project

- Integrating all learned concepts into a personal project
- Presentation and evaluation of the final project
- **Project:** Students develop and present a fully functional app of their choice using Kodular
- **Coverage:** Comprehensive application of Kodular skills, including UI design, data handling, and user interaction.