

# Creating App By Using Power Apps

## Coffee Machine App - README

### Overview

The Coffee Machine App is a user-friendly Power App designed to streamline the process of selecting, customizing, and ordering coffee. The app provides a simple interface for users to choose their preferred coffee options, adjust ingredients, and place an order, making it ideal for cafes or offices with coffee machines.

### Features

- Menu Selection: Browse a list of available coffee types (e.g., Espresso, Cappuccino, Latte).
- Customization Options: Customize your coffee by selecting sugar levels, milk types, size, and extra flavor shots.
- Order Summary: View a detailed summary of your selections before confirming the order.
- Order Tracking: Track your order status from preparation to delivery.
- User Authentication: Secure user login with Microsoft accounts to save and manage preferences.
- Admin Dashboard: Accessible by staff to manage orders, update coffee options, and track inventory.

### How to Use

1. Login: Open the app and log in with your Microsoft account credentials.
2. Select Coffee: Choose from the list of available coffee options displayed on the main screen.
3. Customize Your Order: Adjust settings for sugar, milk, size, and flavors.
4. Place Order: Review your order summary and confirm it.
5. Track Order: Stay updated with real-time order tracking until your coffee is ready.

## Installation

1. Download the Power App from your organization's Power Platform environment.
2. Install the app on your mobile device or access it via a browser.
3. Ensure you have the necessary permissions to use the app within your organization.

## Requirements

- Power Apps License: Requires a valid Power Apps subscription.
- Device: Compatible with both desktop and mobile devices.
- Permissions: Access to Office 365 accounts for login and data storage.

## Admin Features

- Order Management: Admins can view, edit, or cancel orders through the dashboard.
- Menu Management: Admins can add or remove coffee items, adjust prices, and update inventory.
- Reports: Generate daily or weekly reports on coffee orders, most popular items, and inventory status.

## Tech Stack

- Platform: Microsoft Power Apps
- Database: Microsoft Dataverse
- Authentication: Office 365 Authentication
- API Integration: Integrated with third-party services like inventory management systems.

## Future Enhancements

- Integration with payment gateways for in-app purchases.
- Push notifications for order updates.

- Loyalty program for frequent customers.

## Support

For support and troubleshooting, please contact the app development team at [mittugowthamchakri@gmail.com](mailto:mittugowthamchakri@gmail.com).