Power Up Program Final App Challenge: Adventure Works Cycles Employee Discount Program

Overview

The Final App Challenge will require you to build an app and submit a video demonstrating specific functionalities. No other documentation is required.

Please refer to your Power Up program schedule for the final app challenge due date for your cohort.

Video Requirements

- Duration must be limited to 10 minutes.
- Video must include your narration (voiceover).
- You can use any video editor to create your screen recording. We recommend Flip.com, a free tool, or the PowerPoint desktop app. Instructions for using these tools are in the folder with the rest of the Final App Challenge documents. Clipchamp is an alternative editing tool.
- Submit your video on LMS under the *Final App Challenge* course that will appear in your learning plan after the Week 6 course.
- Ideal video file types are .mov, .mp4, .mpg, .mpeg, or .webm

Before you get started

This use case requires a catalog of products, which is in the Final App Challenge folder where you found this document. Please keep in mind that you have been given the entire data set, and just like in real life, it's up to you to determine what is needed to meet the business objective.

Business scenario

Intro video: https://youtu.be/TLSEFVnim78

Adventure Works Cycles is a global bicycle company that runs an employee discount program on their product lines. Employees can purchase products at an employee discount rate of 20%. Adventure Works Cycles wants a solution to put a "shop front" on the purchase program and has selected the Power Platform as the technology. The business has provided a number of requirements detailed below.

User requirements

As in real life, you will have a long list of items that different users would like to be included in your solution. Getting the full list of requirements may seem daunting. That's why it's essential to work with the business and prioritize the requirements.

Note, you will ONLY have to complete "High" priority requirements. The other priority levels are optional. You will only be evaluated on successfully completing the high-priority items.

This table describes individual user requirements, based on the various personas:

User	Priority	Requirement	What is this testing?	Product
Employee	High (Mandatory)	Can view a list of Adventure Works' products by category (i.e., helmets, jerseys, etc.) and price	Gallery/Advanced filtering in Canvas apps	Canvas app
Employee	High (Mandatory)	Display discounted price within app. Show the item, list price and discounted price (that includes the 20% discount)	Power Fx Formulas to get discount and subtract from list price and display	Canvas app
Employee	High (Mandatory)	Can add/remove/update products to a shopping basket	Understanding of variables/understanding use of collections	Canvas app
Employee	High (Mandatory)	Search for a product based on product code or name	Search/Filter	Canvas app
Employee	Low (Optional)	Can request for alert when a product is unavailable, and it becomes available	Ability to create & send custom email	Canvas app and Power Automate
Employee	Low (Optional)	Ability to filter by approved/unapproved order	Filtering	Canvas app
Employee	Medium (Optional)	Auto approve orders below a particular price point	Global Configuration/Power Automate	Dataverse and/or Power Automate
Employee	High (Mandatory)	Can checkout to create an order	Use of either Power Automate or Patch() function	Canvas app and Power Automate
Employee	Medium (Optional)	Can check approval status of their order		Power Virtual Agents
Employee	Medium (Optional)	Can cancel order request (that has not yet been approved)		Canvas app

Employee	High (Mandatory)	Receives details of their order once submitted	Ability to create and send custom email	Power Automate with Outlook action
Line manager	High (Mandatory)	Receives an email when direct report creates an order**	Ability to create and send custom email	Power Automate and Approvals
Line manager	High (Mandatory)	Must approve direct reports orders (can use email or app to approve)**	Knowledge of approvals, or actionable messages	Approvals and Adaptive cards
Line manager	Medium (Optional)	Manager** to enter a comment if the order is rejected	Ability to create and send custom email	Power Automate and Approvals
Line manager	High (Mandatory)	Can view a dashboard showing which products are the most popular (Hint: Create app first, test app by creating orders, and use those order records)	Power BI dashboard development	Power BI
Line manager	Medium (Optional)	Can view all direct report orders in an app		Dataverse and Canvas app
Administrator	High (Mandatory)	Can import stock details through Excel		Dataverse

**Usually, you would use the Office365 Users Connector to access Manager Details. This connector would then make an API call at runtime to get the manager's email address of the logged-on user. If you try this, you may hit an error--this may be because a manager is not set up in the system for you in your Developer Tenant. For this challenge, use your own email as both the employee and line manager. Hint: Use User().Email instead, so you can get both your emails and the line manager's emails in one inbox to simulate the automation.

Data Table Description

Adventure Works Cycles has provided descriptions for the following data in the product.xlsx file:

Name	Description
Product Name	Name of product
List Price	Price of product (does not include employee discount)
Qty stock	Current number of products in stock
Target stock quantity	Target stock quantity
Product Number	Product number
Color	Color of product
Size	Size of product
Weight	Weight of product
Product category ID	Product category that identifies similar products

Images

Image files are included in this folder. You may use those images or any other images you have received copyright permission to use.

Next Steps

Taking into consideration the business requirements, it is now time to build. Create the solution using the Power Platform and the specified products listed above. See the ChallengeSubmit.docx file on specific submission details, as this is an evaluated assignment.