ePMP Mobile App With SharePoint Connection

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Abstract

Internet is essential for people to be connected to the world and help areas with the advancement of technology. Some areas (rural) however, do not have access to the internet and this is where Cambium Networks has a solution. Cambium Networks sell point to multipoint access points and can provide wireless internet in areas where internet with old mediums (copper and fiber optic) is not possible. Cambium Networks uses third party installers (Channel Partners) to install their products. Channel Partners currently log into a slow inefficient portal and Cambium Networks wants to provide a faster, more efficient solution by means of mobile application. The mobile application will have a connection to Microsoft SharePoint, which will provide Cambium Networks an easy way of managing data, and avoiding connection to their enterprise data.

Process

1. Take Cambium Networks Portal and make it into mobile application
2. Design mobile app based off Technical Required Documents (TRD) provided by Cambium Networks
3. Make flowcharts to get a visual on how the mobile app will interact with users
4. Connect mobile app to SharePoint so a user can view data from Cambium Networks
5. Get mobile app to run on both Android and iOS
6. Test mobile app

Main TRD (buttons for the mobile app):
1. Products
2. Tell Your Story
3. ePMP Tools
4. Promotions
5. Configurator
6. Documentation

Materials

- Computer
- PowerApps IDE
- Microsoft SharePoint Account
- Technical Requirements Document (TRD)
- Android Phone
- iOS Phone
- Phone Conference with Cambium Network Representative

Results

- Figure 1. The flowchart showing the data for the products is retrieved from the SharePoint site when the "Products" button is pushed
- Figure 2. "Tell Your Story" allows a user to submit a review to Cambium Networks
- Figure 3. PowerApps editing screen
- Figure 4. "Tell Your Story" allows a user to submit a review to Cambium Networks

References

https://powerapps.microsoft.com/en-us/
https://www.apple.com/
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