



Let's Reach For Excellence!

TAN DUC INFORMATION TECHNOLOGY SCHOOL JSC

Address: 103 Pasteur, Dist.1, HCMC
Tel: 08 38245819; 38239761
Email: traincert@tdt-tanduc.com
Website: www.tdt-tanduc.com; www.tanducits.com

Microsoft Power Apps for Power Users

Duration: 02 days

Build smart business applications using Microsoft Power Apps with no code! Learn PowerApps from basic to advanced.



WHAT YOU'LL LEARN

- Connect to different sources of data (OneDrive, Google Drive, SQL, etc.)
- Create real functional business applications, on the web, tablets, and phones for businesses and organizations.

COURSE OUTLINE

Module 1: PowerApps concepts & Microsoft Power Platform introduction

Lesson

- Describe the business value of the Microsoft Power Platform
- Identify foundational components of Microsoft Power Platform
- Describe how to build applications with Microsoft Power Apps
- Canvas Apps and Model-Driven Apps
- Describe building automation with Microsoft Power Automate
- Describe the capabilities of Microsoft Power BI

Lab: Visitor parking Log App

- **Exercise: Build a canvas app from data source**
- Running your first application
- Share, public app

The image displays three screenshots of a 'Visitor Parking Records' application interface.

Left Screenshot (List View): Shows a list of records with columns for Car Registration, Make, Model, Date, Contact tel, Contact name, Company name, and Disabled access. The records are sorted by Date.

Car Registration	Make	Model	Date	Contact tel	Contact name	Company name	Disabled access
AJ57 THK	SEAT	LEON	7/6/2020 12:00 AM				
BG58 HDS	AUDI	Q2	7/6/2020 12:00 AM				
CK14 STR	VW	GOLF	7/1/2020 12:00 AM				
CK14 STR	VW	GOLF	7/11/2020 12:00 AM				
FH10 POL	FORD	FOCUS	7/1/2020 12:00 AM				
FH10 POL	FORD	FOCUS	7/1/2020 12:00 AM				

Middle Screenshot (Detail View): Shows a detailed view of a record for 'AJ57 THK'.

Right Screenshot (Form View): Shows a form to add or edit a record. The fields are: Car Registration (AJ57 THK), Make (SEAT), Model (LEON), Date (7/6/2020 00:00), Contact tel (07700 900026), Contact name (Paul Walker), Company name (FNF Industry), and Disabled access (Not required).

Module 2: Data Sources

Lessons

- Data Storage and Services
- How do I decide which database to use?
- What is Delegation?
- Specific Data Examples
- Displaying Data

Module 3: PowerApps Controls

Lessons

- Understand how to use controls in a canvas app
- Use the different types of controls
- Text Controls for Data Entry and Display
- Controls – Drop downs, combo box, date picker, radio button and more
- Charts – present information in pie, line and bar charts
- Core property of controls: OnSelect, Visible, DefaultMode, ...

Lab: Visitor parking log app

- Add Controls to collect and display data
- Combining image with pen inputs
- Combining image with camera input
- Combining image with upload photo input
- Add Formulas to allow the controls to interact.

The screenshot shows a mobile app interface for 'Visitor Parking Records'. It features a blue header bar with a close button (X) and a checkmark. Below the header, there is a text input field labeled 'Company name' containing the text 'FNF Industry'. Underneath is a toggle switch labeled 'Disabled access' which is currently turned off, with the text 'Not Required' next to it. Below the toggle is a label 'CarImage' and a large square button with a camera icon. Below this button is the text 'Tap or click to add a picture'. At the bottom, there is a label 'SignatureImg' and a large rectangular area for a signature. The bottom of the screen shows a standard mobile OS navigation bar with icons for back, forward, and other functions.

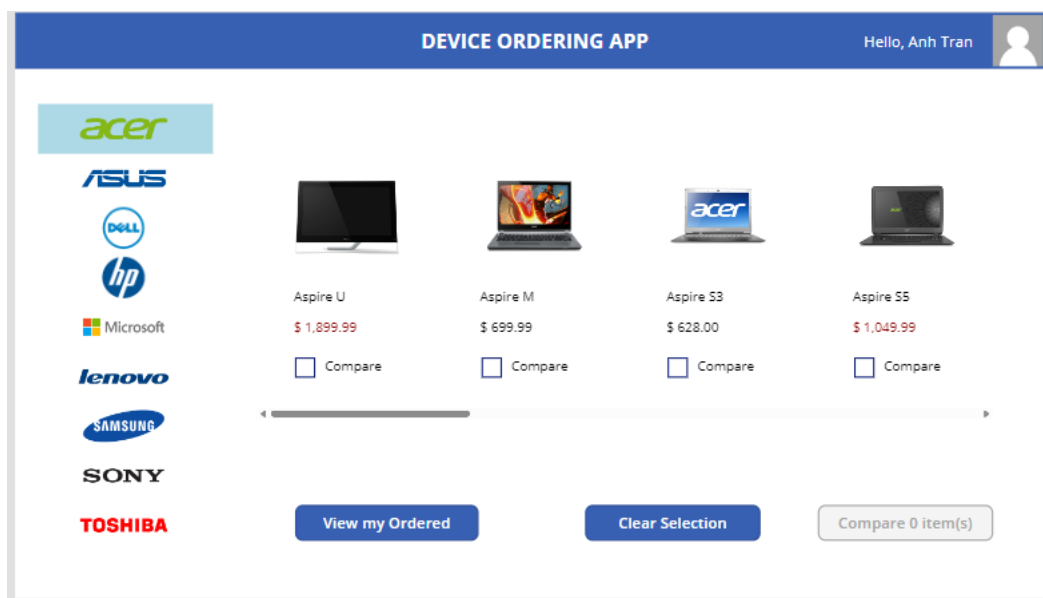
Module 4: Gallery and Form Control and App object

Lesson:

- Galleries
- Customizing galleries
- Core property of galleries:
 - Item, Default, TemplateFill, Layout
- Forms and data cards
- Edit forms, updates, textboxes
- Functions used in Forms:
 - **SUBMITFORM, LASTSUBMIT, EDITFORM, NEWFORM**
- Core property of Form:
 - **Item, Layout, Default Mode, OnSuccess, OnFailure**

Lab: Device Ordering App

- Connect multiple sources to one app
- Create a gallery to select manufactures, devices



Module 5: Power Fx

Lesson:

- Using variables with controls: **SET, COLLECT**
- Filtering Data functions: **FILTER, SEARCH, LOOKUP, DISTINCT, SORT, SORTBYCOLUMNS**
- Action functions: **NAVIGATE, BACK, NOTIFY, RESET**
- Format Functions: **TEXT, VALUE, DateTimeValue**
- Device Function: **USER**

Lab: Device Ordering App (cont.)

- Show information of current users using app.
- Add buttons & use formulas to interact with these buttons.
- Filter devices based on selected manufacturer.
- Conditional formatting to price of devices.
- Create a collection for the selected devices.

DEVICE ORDERING APP Hello, Anh Tran

Manufacturers: acer, ASUS, DELL, hp, Microsoft, lenovo, SAMSUNG, SONY, TOSHIBA

Device	Price	Compare
Aspire U	\$ 1,899.99	☐
Aspire M	\$ 699.99	☒
Aspire S3	\$ 628.00	☒
Aspire S5	\$ 1,049.99	☒

Buttons: View my Ordered, Clear Selection, Compare 3 item(s)

DEVICE ORDERING APP Hello, Anh Tran

Manufacturers: acer, ASUS, DELL, hp, Microsoft, lenovo, SAMSUNG, SONY, TOSHIBA

Device	Price	Specifications
Aspire M	\$ 699.99	Intel Core i5-3317U (1.7 GHz), 6GB DDR3
Aspire S3	\$ 628.00	Intel Core i3-2377M (1.5 GHz), 4GB DDR3
Aspire S5	\$ 1,049.99	Intel Core i5 3317U (1.7 GHz), 4GB SDRAM

Form Fields: Title (Aspire M), Price (699.99), RequestedDate (8/22/2023), Approver (Find items), CommentsbyRequester

Button: Submit Device Request

Module 6: Create tables in Dataverse

Lesson:

- Introduction to Microsoft Dataverse
- Introduction to Table characteristics
- Define columns in Microsoft Dataverse
- Column types in Microsoft Dataverse

Lab:

- Create a Custom Tables and Columns
- Create a calculated column
- Create a business rule
- Connect the data from the Canvas App
- Create a Form to Submit requested devices

The screenshot displays two parts of the 'Device Ordering App'. On the left is a form titled 'Device Name' with fields for 'Price' (\$499.00), 'Approver' (labuser50@onmicrosoft.com), 'Comments' (with a text area), and 'Requested By' (labuser50@onmicrosoft.com). Below these fields is a 'Submit device request' button. On the right is a confirmation screen titled 'Device Ordering App' with the message 'Your device request has been successfully submitted. Thank you.' and an 'OK' button.

Module 7: Integrating a Power Apps App with Power Automate**Lessons:**

- The value Power Automate brings
- Type of flows
- Understand trigger & actions
- Choose the right trigger to start a flow
- Introduction to Approval Request process
- Start a flow from Power Apps

Lab:

- Build a flow from a template
- Edit flow
- Test the cloud flow
- Trigger a flow from Power App button

Inbox; Sent Items

This message was sent with low importance.

Your device has been approved **Acer - Aspire U**

Estimated ship date: 2019-06-19

Approver: [redacted], admin@[redacted]onmicrosoft.com Response: Approve Request
 Date: Wednesday, June 5, 2019 5:57:04 PM Response Date: Wednesday, June 5, 2019 5:59:28 PM

Module 8: PowerApp Integration

Lessons

- Embed PowerApps in Teams
- Embed PowerApps in SharePoint Online

Lab 1: PowerApp Integration

- Embed your app in Microsoft Teams
- Embed your app in SharePoint Online

Module 9: Administration and Maintenance of PowerApps

Lessons

- Introduction to Solutions
- Reuse an app in another location (move from testing or development to production)
- Identify which users have been using PowerApps
- Review app usage
- Prevent a user from using PowerApps
- Explore version of app and restore version for app

Lab:

- Create a solutions and add existing app and flow to this solution
- Export an app for use in another location
- Review current PowerApp users in your test environment.