Team Challenge (Day 2)

During the workshop, attendees working as a team will attempt to deliver a PoC for a real-world scenario and will be challenged in two significant ways. From a technical perspective, attendees will need to both design, scope and implement the PoC. From a soft-skills perspective, attendees will need to pitch the vision for their PoC, explain and defend their design and present their final solution. The teams of attendees will have their presentation and deliverables evaluated by a panel of judges, with recognition being awarded at the end of each day of the event (best PoC pitch, best design, best implementation, etc.) with an overall award for the best solution.

# Scenario for the Proof of Concept (PoC)

Wickham Academy is a college preparatory academy with a focus on classical education and a long history of graduates becoming impactful members of the government and business sectors. All recordkeeping since their foundation in 1904 has been done on paper. They currently serve around 450 students between the ages of 5 and 18. The hiring of a new pro-technology Headmaster and the complaints of students and parents have caused them to explore the idea of moving to a more modern way of keeping records and communicating with students.

Each student must fill out an application when joining the academy. If the student is accepted into the academy, their physical folder is gradually added to. The application goes through several stages of approval prior to the student being accepted into the academy. Wickham Academy is interested in moving this application and approval process online to cut down on the use of paper products.

Student applications, attendance records, grades, and student demographics are kept on paper. Because applications include highly sensitive personal information on students and parents (such as social security number, parental income, medical history, and birthdate) these folders have traditionally been kept under lock and key. The board and several members of the academy are very nervous about the concept of the cloud.

Staff, Faculty, and Students all have Office365 accounts and use outlook for daily communication. While they have licensing for Teams, it has not been utilized to its fullest potential. After an initial presentation by Microsoft, Wickham has started to become excited about the potential brought by the Power Platform.

# Your Challenge

Wickham Academy would like to explore creating several different apps for their Faculty, Staff, Students and Parents. They are excited about the idea of having simple to navigate apps where users will only encounter small sets of data and simple, easy navigation. They are looking to you to help identify the right apps to handle the complexity of Student data and Faculty data entry as well as simplifying the process of pulling and submitting reports.

Your task is to identify which apps will meet their needs and structure those apps accordingly.

With respect to the selection of Microsoft 365 and Power Platform services to use in your solution, consider the options that best fit your PoC scenario. Your PoC should include at least one of the following, but is not limited to only these:

* Model Driven Apps
* Canvas Apps
* Power BI
* SharePoint
* Teams
* Power Automate
* Dynamics 365

Good luck!

# Resources to help you get started

The following resources have been made available to help you quickly get started with your PoC:

|  |  |  |
| --- | --- | --- |
| Item | Description | Location |
| Product Comparison | Office 365 Service Descriptions | <https://docs.microsoft.com/en-us/office365/servicedescriptions/office-365-service-descriptions-technet-library?redirectedfrom=MSDN> |
| Documentation | PowerApps Documentations | <https://docs.microsoft.com/en-us/powerapps/index> |
| Documentation | Microsoft Flow Documentation | <https://docs.microsoft.com/en-us/flow/> |
| Product Link | Teams Apps, Integrations and Services | <https://products.office.com/en-us/microsoft-teams/apps-integration-and-services> |
| Documentation | Power Virtual Agent | <https://docs.microsoft.com/en-us/power-virtual-agents/> |
| Documentation | Power Apps Portals | <https://docs.microsoft.com/en-us/powerapps/maker/portals/overview> |
| Documentation | Dynamics | <https://docs.microsoft.com/en-us/dynamics365/> |
| Documentation | Dynamics Education Accelerator | <https://docs.microsoft.com/en-us/common-data-model/edu-overview> |