In Short  
(Written based on [This](https://learn.microsoft.com/en-us/power-apps/maker/model-driven-apps/model-driven-app-overview) page its information)  
  
Model driven apps are apps that focus on displaying dense amounts of data in 1 app. Model driven apps can also be referred to as “data model” driven apps as without a data model they are completely uncreatable. The data model used for these model driven apps is Microsoft Dataverse and can only be Dataverse, unlike canvas apps.

User experience often boils down to very cutthroat interface with very few aspects of customization.

Benefits of model driven over canvas are as follows.

* Once set up, build process is very rapid
* User interface is global across mobile and desktop
* Accessibility and responsiveness is built into the app automatically
* UX is consistent across all model driven apps, due to the lack of customization.
* Using solutions migrating apps between the developmental environments is relatively straightforward

To begin making a model driven app you need to meet at least a few prerequisites

* A power apps license.
* The capacity to create a power platform environment, this is a feature in PowerApps and dynamics 365 licenses.
* A power platform environment (duh)
* Within said environment a Dataverse database.
* Correctly assigned security roles for the job that needs to be done
* At least one table
* And at least one column, view and form table to do their respective tasks.

When cut down to the fundamentals, The step by step process for building and sharing a model driven app is as follows.

* Modeling business data. To ensure that data is constructed in the correct way to tackle the business problem.
* Defining business processes. To assist users and help them update the tables to complete their work more efficiently and accurately
* Composing the app. To create and tailor the app to only contain the elements that are relevant
* Configuring security roles. To ensure that data isn’t accessible for users that should not have access to said information by establishing proper role hierarchy
* Sharing the app. Well, I think this one speaks for itself.

First experience creating a model driven app.

Following a short guide Microsoft provided with the permissions I have in the environment in power apps I quickly figured out how to make a “solution”, solutions can be seen as a neater way to store all files related to the current project you are working on, ranging from apps to agents to tables. Setting up a solution is pretty straightforward, however with my limited knowledge on how tables fully work / on how to add custom ones I am not fully sure on how hard new tables are to make and how Dataverse works.  
  
  
First GENUINE experience creating a model driven app

After getting some advice from my boss I figured out that I can create a temporary work environment within power apps allowing me to properly test how to make a model driven app and how to add tables via Dataverse and how to access / add stuff from within said new tables.  
  
If you’ve worked with SharePoint or even excel prior to trying Dataverse, you should feel right at home when starting to use Dataverse. The process of adding tables is relatively easy, the first step is to set up a solution and to then add a table to said solution. Adding extra fields should be second nature by the time you have started using Dataverse. After adding some fields to your table you can tinker around in the table’s data experiences, these are as follows.

* Forms

Forms add the functionality to see list entry data in a form, These can be edited from within the model driven app.

* Views

Views are the simplest of the 4, in views you decide what is or what isn’t shown in the model driven apps.

* Charts

Charts zijn simpelere versies van een paar elementen die je ook kan gebruiken in power BI. Dus als je de simpelere functies van charts alleen maar nodig hebt ben je beter af om

* Dashboards

Dashboards zijn de enige van de interctive fields die ik nog niet heb verkend. Ik zal hier nog wat extra research over moeten doen.