1. What is the difference between **MVC** and **MVVM** (Model view View model) . The nature of Request and response it is good fit for web development. Controller produces the view and may not stick after that until new request comes from the user.

**MVVM** -> Smart and Rich desktop applications, because of the complexity people started using separation patterns there. Because of client views are more stateful, and stuck around in memory the MVC was not a perfect solution. So the New concept came MVP (Model view Presenter – the life time of presenter and view is coupled, and they generally having on going conversation as the user interacted with the view) instead of MVC (Model view controller) . Next version of MVP is MVVM (MVVM pattern has View and VIEW MODEL has two way data binding- Data flow from View and view model via two way databinding)

There is two way databinding between View and View Model.

in MVC -> control and view has not much relation, once controller sends the response view then control has no relation with view

Different ways to hookup view and view model and how databinding can be used to hookup view and view model.

* **View First construction pattern**: First view is constructed and then it will hook up with view model. View can be a **page or user control or window**.

It can be done declaratively using xaml

* **Data binding:**
* **View Model first – With Data templates:** Where Data templates are used to create views based on instance of view model placed in databinding context