Displaying Views Using View Composition



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Agenda



What Is a View?

Understanding View Composition

What Is View Discovery?

What Is View Injection?

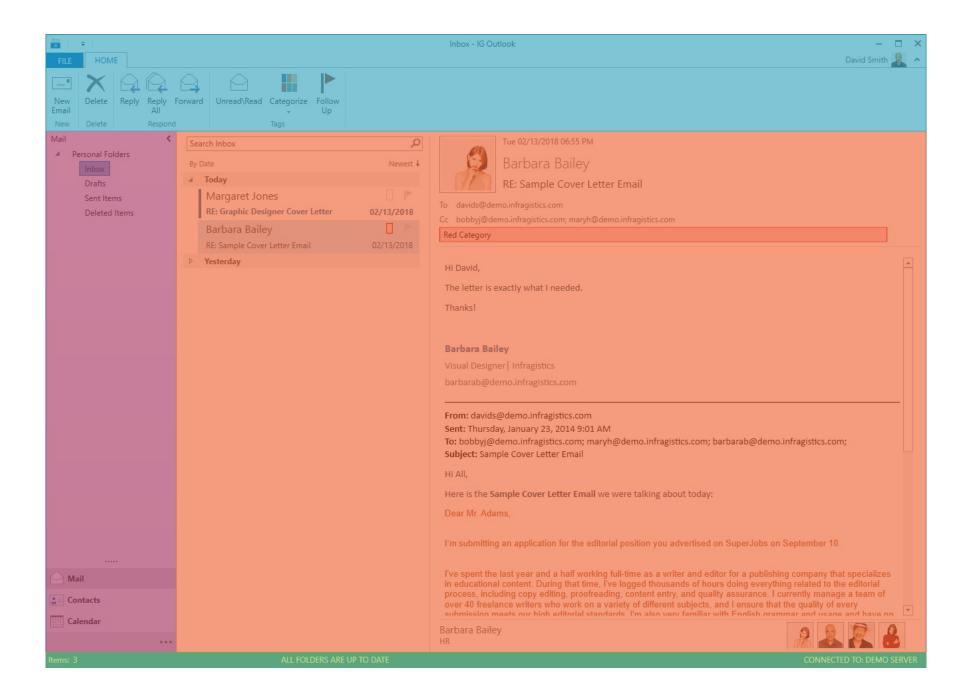


What Is a View?



Portion of the UI







What Is a View?



Portion of the UI

View = UserControl

Can be made up of multiple views (Composite View)

Multiple instances



Demo



Creating a View



View Composition

Constructing a View

Made up of many visual elements

Displayed in Regions

Approaches

- View Discovery
- View Injection



View Discovery



Views added automatically

Region looks for view types

No explicit control

Registers with the RegionManager



Using View Discovery

_regionManager.RegisterViewWithRegion("RegionName", typeof(ViewType));



Demo



View Discovery



View Injection



Views controlled programmatically

- Add / Remove views

More explicit control

Activate / Deactivate views

Region must exist before injecting view

Using View Injection

```
Iregion region = _regionManager.Regions["RegionName"];
region.Add(viewInstance);
region.Remove(viewInstance);
region.Activate(viewInstance);
region.Deactivate(viewInstance);
```



Demo



View Injection



Summary



What is a View?

Understanding View Composition

What is View Discovery?

What is View Injection?

