

# Reducing the Memory Footprint with Caching

---



**Brian Lagunas**

WINDOWS DEVELOPMENT MVP

[www.brianlagunas.com](http://www.brianlagunas.com) | @brianlagunas



# Problems



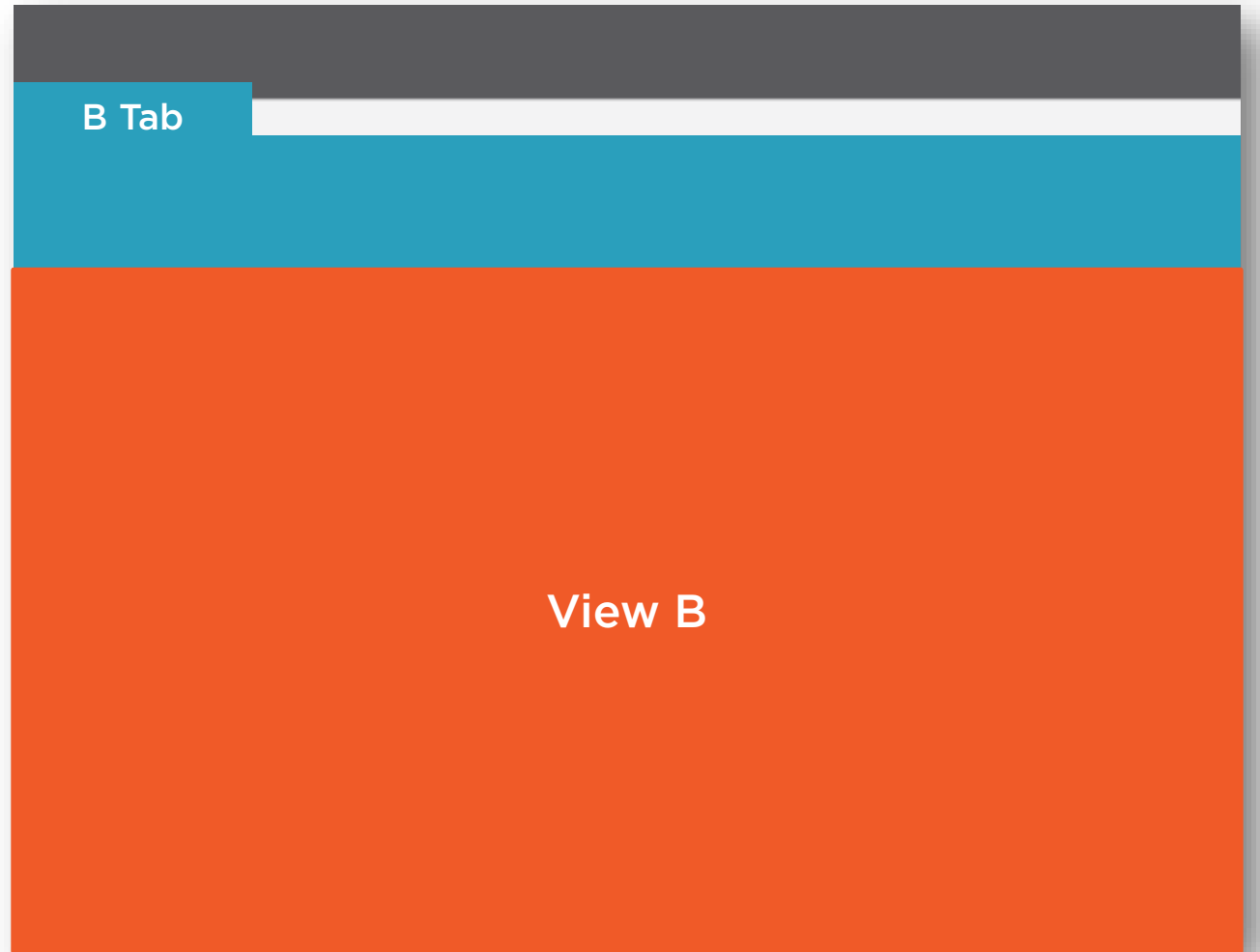
**Performance and Memory Management**  
**Removing Items from Cache**

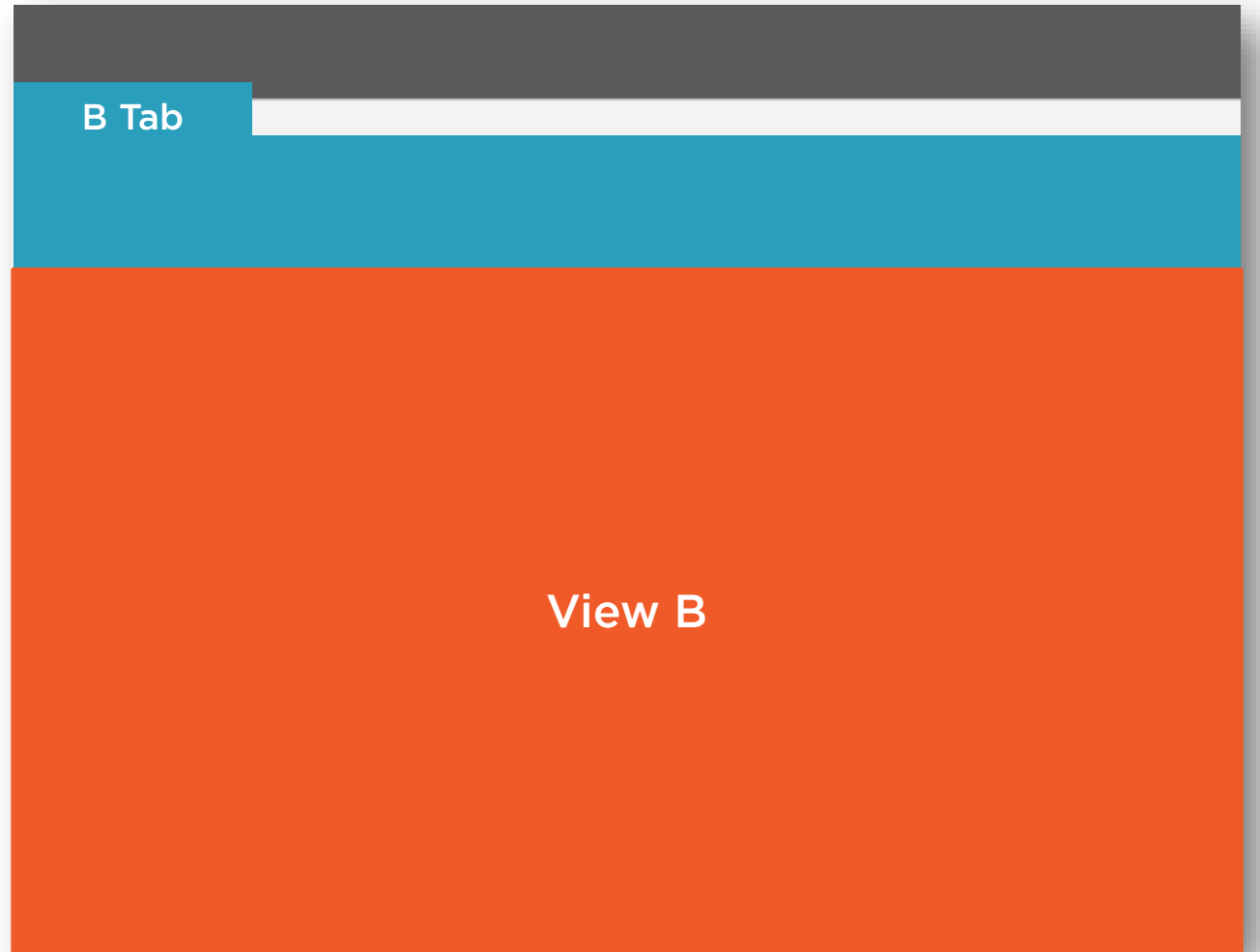
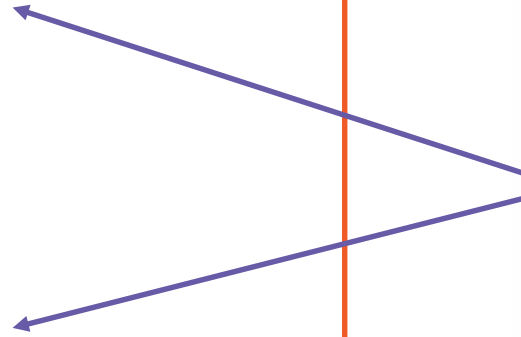




## Performance and Memory Management









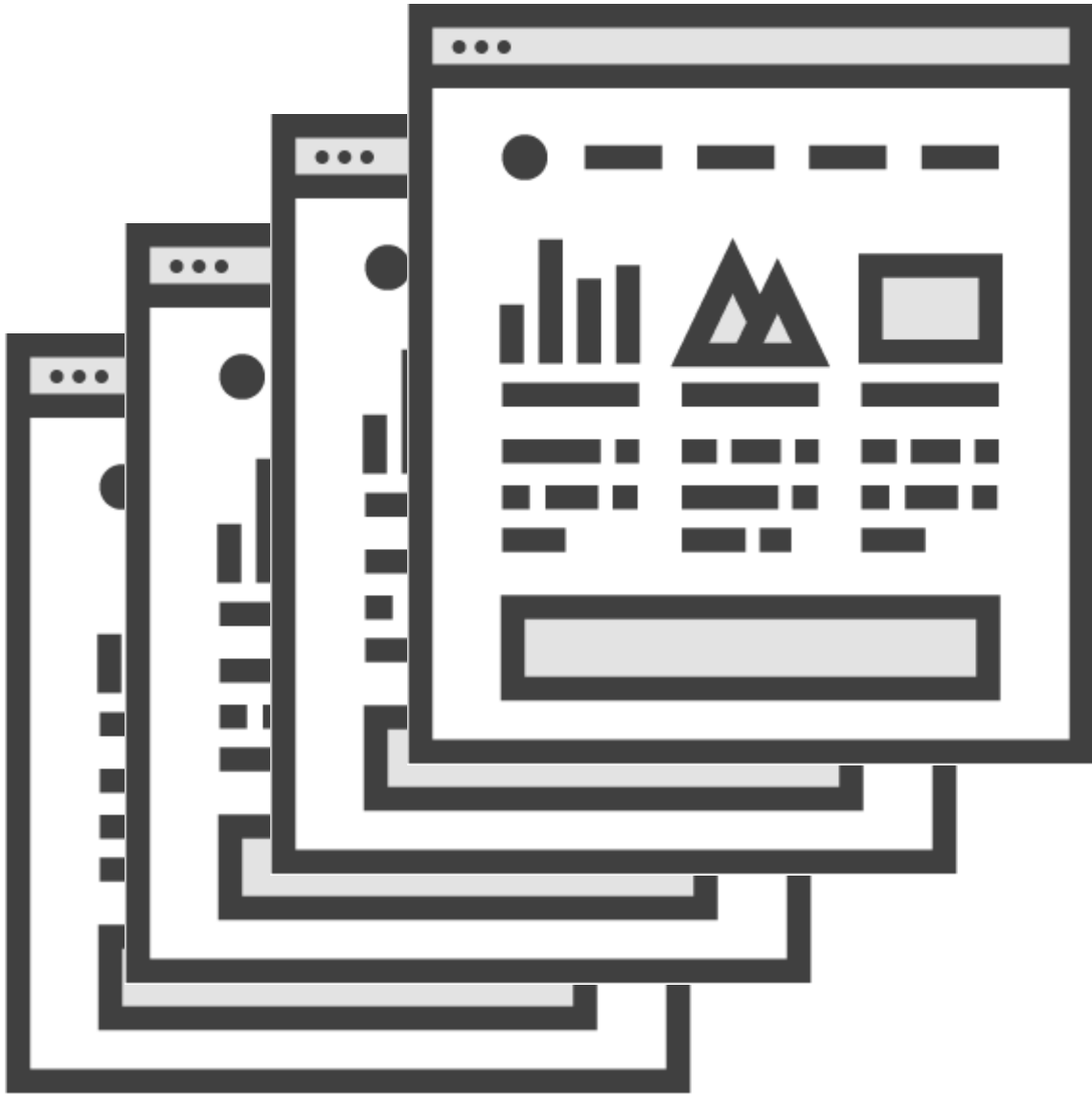
Caching





## Removing Items from Cache





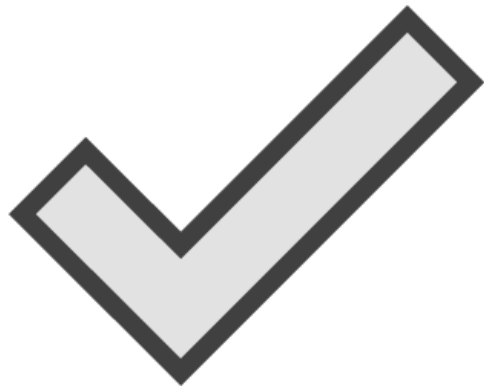
RegionMemberLifetimeAttribute

IRegionMemberLifetime

**Memory Leak!!!**







Respect the  
RegionMemberLifetimeAttribute &  
IRegionMemberLifetime

