

CoreApp Protocols For SPA

SPA Navigation / Routing

1. Change hash and capture changes hash.
2. Tell **Application** object which top level ViewModel have to instantiate.
3. Render top level ViewModel which will internally render all require hash specific ViewModel.

View-ViewModel Connection

1. Read html template as string from either persistence storage (local or session) or DOM storage or Virtual-DOM storage or JS Object storage.
2. Compile the string and create Virtual-DOM.
3. Do bindings over Virtual-DOM.
4. Do event attachment over virtual-DOM.
5. Render Virtual-DOM into document object and hold the reference for Virtual DOM.
6. Clear destroy the instance of ViewModel along with Virtual-DOM, Events, and Bindings.

ViewModel-ViewModel Communication

1. Register require global event in "GlobalEvent" object on page load.
2. Trigger event with data based on an action.
3. Capture another ViewModel which is actually wanted to take another action in different ViewModel.

Service Consumption

1. Create a proxy interface to each and every API.
2. Call the proxy.
3. Get response and send them into ViewModel on after wrapping with local Knockout observables wrap.