**Client – UI – API Flowchart**

OGD.Common

{Enums, Models}

Browser

Youtube API

YoutubeModel

Cache

TMDB API

APICaller

Controller

{ Home }

YoutubeRepo

TMDBRepo

OGD.API

{ Home, Index }

Movies Controller

TMDBModel

AggregatedModel

View

{ js, jQuery, Bootstrap, facebook }

OMDBRepo

AggregatedModel

PartialView

OMDBModel

ThumbnailModel

OMDB API

1. The client browsers hits the Home controller and then depending on cache does a Http Post/Get call to the Api using the RestSharp (Nuget) package. If the modal results are still cached the controller will skip step B and go straight to step C.
2. The Rest API does a Http Post/Get call to the third party repository API and retrieves the models. The API then aggregates the third party models into a new [AggregatedModdel] which is sent back to the UI Home controller.
3. The Home controller then populates the View with the Model. The View in turn might render partial view using the Model and might map the model results into separate View Models to populate the modal popup and individual thumbnails. The Controller returns the View to the Browser.