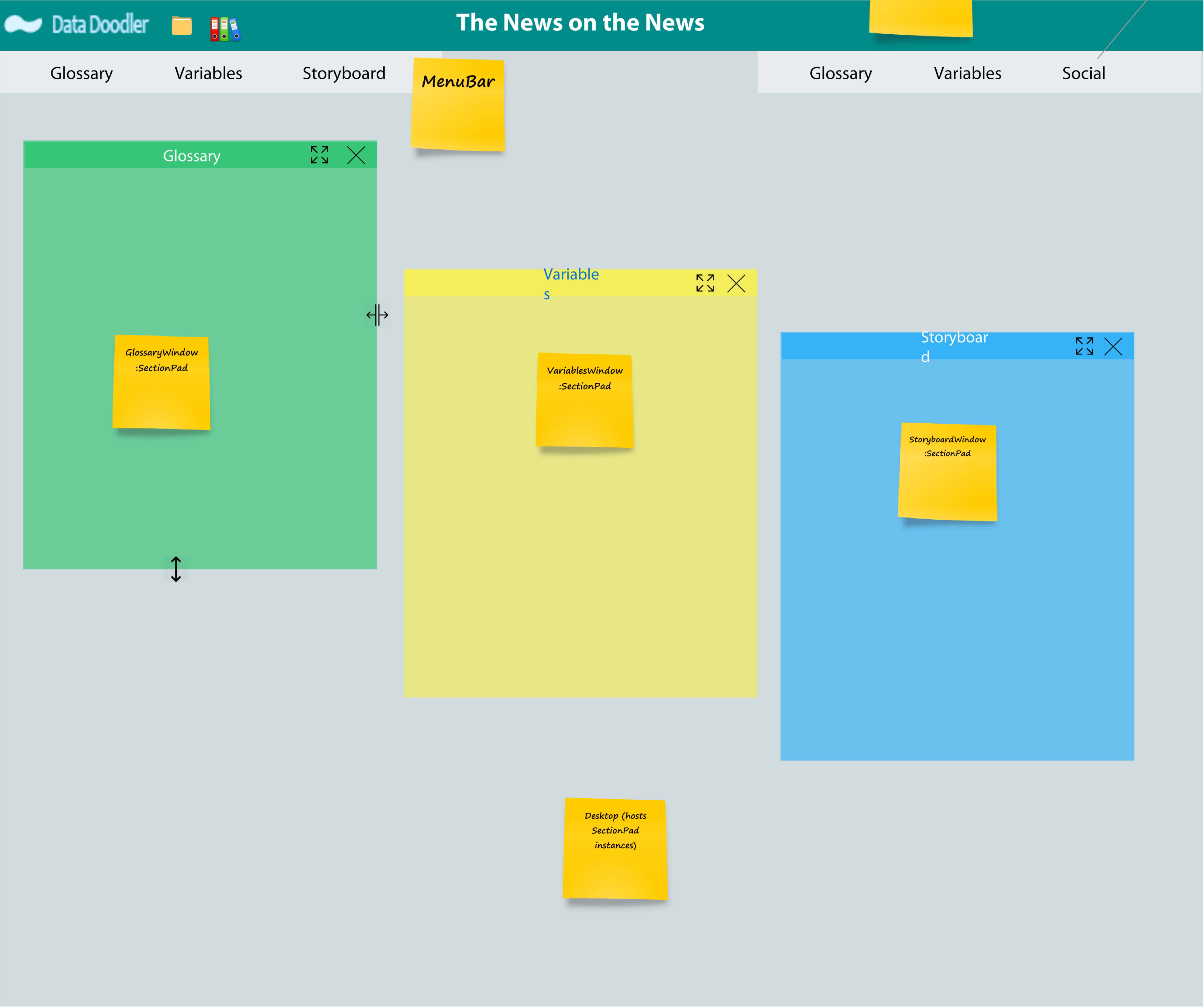


# Layou t



## Requirements

All UI elements are bound to an angular model.

UI elements are build in isolation as much as possible to enable testability and simple extensibility and maintainability.

Requirements should be written as TDD tests as much as possible.  
(use Jasmine / see pluralsight / Scott/Eams for example)

## ddModelService

```
title : "The News on the News",
glossary : {sectionPadConfig:{display : {top : "10", left : "10", width : "300", height : "400"}},
            datasources : [
                {name : "gdelt", location : "...", .... : ...},
                {name : "gdelt", location : "...", .... : ...},
            ]
        },
variables : {},
storyBoard : {}
```

```
sectionPadConfig:{
  title:"sectionpad test",
  visibility:'display' // 'di
  displayCoordinates : {top : "10",
left:"10",width:"300",height:"400",zIndex="1"}
}
```



This should be a googledoc  
and/or within the source  
code itself.

# ddDataSourceService

```
angular.module('ddlApp')
.factory('dataSourceService', function () {
  _dataSources= [
    {name: "FDIC Statistical Dataset", description: "Bank data comes from FDIC on a quarterly basis",
      attributes:[
        {key:"periodicity",value:"quarterly",description:"Periodicity"},
        {key:"lastPublicationDate",value:"2014-12-31",description:"Last publication date"},
        {key:"variableCount",value:"455",description:"Variables"},
        {key:"recordCount",value:"3362",description:"Records"}
      ],
      glossary:[
        {varName:"var1_nepsp_sd",shortDesc:"shortDesc asdkfl ;sd flkjs d;lfkj lkjsldjf klj ;lkdsjfl;k j;lkjb ;alf djlkj d;lfkj lkjsldjf
klj ;lkdsjfl;k j;lkjb ;alf djlkj ;lkj ;kljsflk;j  lj ;lkds d;lfkj lkjsldjf klj ;lkdsjfl;k j;lkjb ;alf djlkj ;lkj ;kljsflk;j  lj ;lkds d;lfkj lkjsldjf klj ;lkdsjfl;k
j;lkjb ;alf djlkj ;lkj ;kljsflk;j  lj ;lkds;lkj ;kljsflk;j  lj ;lkdsjfl;k j;lkjb ;alf djlkj ;lkj ;kljsflk;j  sd lj ;lkdsjfl;k j;lkjb ;alf djlkj ;lkj ;kljsflk;j
sdsdlfk kl; js;f1 kjksdf ",longDesc:'LongDesc'},
        {varName:"var2",shortDesc:"shortDesc",longDesc:'LongDesc'},
        {varName:"var3",shortDesc:"shortDesc",longDesc:'LongDesc'}
      ]},
    {name: "Custom Upload 1"}];
  _constructSummary=function(){
    var rtn=""
    angular.forEach(_dataSources,function(ds){
      rtn += "";
    })
    return rtn;
  }
  return {

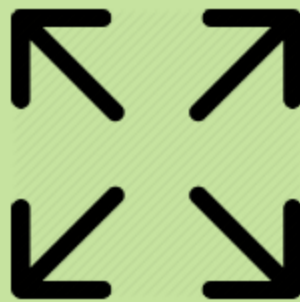
    ActiveVariablesSummary: "Active variables in this doodle include....",
    dataSources: _dataSources
  }
});
```

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# Business Case

<b>Project</b> Data Doodler Business Case				
<b>Problem</b> Somebody (Tony) has a special knowledge of a dataset (FDIC data) but is unable to organize, analyze, and share it.	<b>Solution</b> Provide an application that combines top-notch useability with top-notch customized analytic processing	<b>Unique Value Proposition</b> Amount of data is exploding. Our relative understanding of it is shrinking. Data doodler will help us keep up.	<b>Unfair Advantage</b> Kent's full-stack application development experience. Josh's analytic programming smarts.	<b>Customer Segments</b> 1) Consumers of FDIC data 2) Consumers of political survey data 3) Doctors trying to understand patient data.
<b>Existing Alternatives</b> Excel spreadsheets emailed to users. Or, bloated, expensive enterprise systems with steep learning curves.	<b>Key Metrics</b> new users/day passive users/doodle/day editor users/doodle/day New doodles/day active branded doodles	<b>High-Level Concept</b> This is how I would build Tony's product to provide risk analytics to banks. Think plunkr + hadoop + D3 + physicsjs	<b>Channels</b> Exposure via Facebook political conversations. Get people from a wide variety of contexts to see it and get curious about using it in their own cont	<b>Early Adopters</b> Somebody who has a special knowledge about a particular dataset and needs to be able to tell a story with it.
<b>Cost Structure</b> All AWS services (Data storage, compute cycles, etc...)			<b>Revenue Stream</b> Professional doodler subscriptions (proprietary models and visualizations can be private/hidden) Branded doodle subscriptions (Tony could brand his own doodle, like RadianQS.DDAnalytics.com, or he could even sub-brand doodles for each of his customers, like BankOfTexas.RadianQs.DDAnalytics.com)	