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- Setting up your Dev Environment
  - REST API
    - http://resources.arcgis.com/en/help/arcgis-restapi/index.html#//02r3000000tq000000
  - Code Editors
    - Notepad++
    - Aptana Studio 2
    - Brackets
    - <a href="https://codenvy.com">https://codenvy.com</a>
  - ArcGIS API for javascript

https://developers.arcgis.com/javascript/

#### Why Dojo?

https://developers.arcgis.com/javascript/jshelp/why\_dojo.html

- There are several reasons that Dojo was chosen as the foundation for the ArcGIS API for JavaScript: the dojo build system
- an easy to use class based inheritance system
- AMD module loader for managing code in large applications
- vector graphics abstraction via dojox/gfx to simplify drawing graphics using SVG,
   Canvas or VML
- dojo and dijit are both fully accessible
- dojo fully supports internationalization



- 1. Set up a Codenvy account <a href="http://codenvy.com">http://codenvy.com</a>
- 2. Clone the Git Repository <a href="https://github.com/IEAGIS/ArcGIS-JavaScript">https://github.com/IEAGIS/ArcGIS-JavaScript</a>
- 3. Name the project 'ArcGIS-JavaScript'
- 4. Select 'JavaScript' as the project type



- Building a simple application
  - Build a minimal HTML5 document



Include the ArcGIS Javascript API

```
k rel="stylesheet" href="http://js.arcgis.com/3.11/esri/css/esri.css">
<script src="http://js.arcgis.com/3.11/"></script>
```



Load specific modules



- Ready the DOM
  - dojo/domReady! is an AMD loaded plugin that will wait until the DOM has finished loading before returning.
  - This ensures all of your HTML DOM Nodes have been loaded and are ready to be manipulated via Dojo



- Ready the DOM

```
require(["dojo/domReady!"],

function(){
    // will not be called until DOM is ready
});
```



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Find Task

Search a map service exposed by the ArcGIS Server REST API based on a string value. The search can be conducted on a single field of a single layer, on many fields of a layer, or on many fields of many layers.

Identify Task

Performs an identify operation on the layers of a map service resource exposed by the ArcGIS Server REST API.

Query Task

Executes a query operation on a layer resource of a map service exposed by the ArcGIS Server REST API.



- Find Task
  - Set up findParameters
  - Execute your findTask
  - Show your results



- Identify Task
  - Set up identifyParameters
  - Execute your identifyTask
  - Show your results



- Query Task
  - Set up your Query
  - Execute your queryTask
  - Show your results



Dojo Dijit themes

http://dojotoolkit.org/reference-guide/1.10/dijit/themes.html#dijit-themes

- Use Dojo Dijit themes for a consistent look and feel to dojo widgets
- claro.css, tundra.css, nihilo.css, or soria.css
- Dijit theme tester

http://download.dojotoolkit.org/release-1.9.3/dojo-release-1.9.3/dijit/themes/themeTester.html?theme=nihilo

