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Following are the important topics to go through.

- dojoConfig and themes.
- Dom Manipulations
  - Modules dojo/dom, dojo/query (swiss army knife), dojo/dom-class, dojo/NodeList-traverse, dojo/parser, dojo/domReady!
- Regularly used dojo components
  - Components dijit/form/TextBox, dijit/form/DateTextBox, dijit/form/TimeTextBox, dijit/form/Select, dijit/form/FilteringSelect, dijit/form/ComboBox, dijit/form/TextArea, dijit/form/toggleButton
  - Grid Components dojox/grid/DataGrid, Also read about dgrid(https://github.com/sitepen/dgrid) in dojo.
  - Strores dojo/store, dojo/store/memory, dojo/store/observable
- Form Validations
  - dojox/validate
- Ajax Calls
  - o dojo/request
- Events
  - Read about Listening ,emiting ,binding ,unbinding events (dojo/on,dojo/connect)
- Playing with objects and arrays
  - o dojo.every is used to iterate through array
  - o dojo.keys(obj) will give set of keys for the object

Do go through them, each of them are important. If any queries you guys can reach out to me. Will let you know with more topics if I come across any

# **AJAX**

1. Which of the following are browser-side frameworks used in AJAX development?

Ans: DOJO Toolkit
Moo Tools

2. What is the default duration of AJAX Request?

Ans: 0 seconds

3. What are all the technologies used by Ajax?

Ans: XMLHttpRequest

DOM XHTML

All the above

4. What property is used to check whether AJAX request has been completed?

Ans: Ready state

5. Is Ajax said to be a

I) technology platform

II) architectural platform

Ans: both I and II

6. Which method can be called top cancel the XMLHttpRequest in Ajax?

Ans: abort()

7. Ajax code is cross browser compatible

Ans: True

8. Goals of Ajax

Ans: All the above

Reduced web server hits and network load.

Rich and interactive user interface. Platform and architecture neutrality.

Support for both synchronous and asynchronous communication.

Provide a server- and client-side framework for seamless usage of Ajax in

applications.

9. How many types of ready states can be found in AJAX?

Ans: 5

10. What are the different data types that JSON supports?

Ans: All the above

- String
- Number
- Boolean
- Array
- Object
- Null
- 11. What are the components of the ASP.NET AJAX Client Library?

Core Services Layer Browser Compatibility Layer

Ans: I and II

- Component Layer
- Core Services Layer
- Browser Compatibility Layer
- 12. Which are the methods used to cross domain AJAX calls?

Ans: CROS
JSONP

13. How can you test AJAX code?

Ans: both

14. How many types of triggers are present in update panel?

Ans: 2

15. Advantages of AJAX

Ans: Bandwidth Utilization
More Interactive
Speed Retrieval

All the above

16. What are the protocols used by AJAX?

Ans: HTTP's Get or Post

Use JSON to communicate between client and server XMLHttpRequest for placing a request with the web server

17. What are the types of postback in AJAX?

Synchronous Asynchronous

	Ans: I a	nd II
18.		set the source attribute to a URL that points to a script file?  gisterClientScriptInclude
19.	Ans:	XMLHttpRequest status 4 represents?  Request finished and Response ready
20.	How ca Ans: Bo	n AJAX applications be debugged? th
21.	AJAX te <b>Ans:</b>	chnology can work on web servers other than IIS  True
22.	What a Ans:	re the components of ASP.NET AJAX Server extensions framework?  all the above The Application services bridge The Web services bridge The ASP.NET Ajax Server Controls
23.	What a Ans:	re some common AJAX framework, apart from the ASP.Net  All the above
		1JavaScript
		2Java
		3.NET
		4Perl
		5PHP
		6Python
		7Ruby
24.	How to	pass parameters to the server?  both
25.	What is object?	the alternate way of achieving AJAX functionality without using an XMLHttpRequest all the above

26. Which method is required to send a request to server?

Ans: open(), send()

27. Object.open(post, url, true)

Ans: True

### **ANGULAR JS**

- 1. The **ng-app** directive lets you tell Angular which part of your page it should expect to manage.
- 2. The **ng-repeat** directive creates a copy of the set of elements.
- 3. Ng-show will show it's elements when its expression is true. True
- 4. Object passed to controllers in mechanism we use to expose model data to views. \$scope
- 5. Which scope API allows us to propagate model changes through system in to view from outside of "Angular" realm. **\$apply**
- 6. Assigning a property in which directive creates an update in the model? **\$scope**
- 7. Which service provides rudimentary DOM manipulation functions to insert, remove elements? **\$animate**
- 8. Service allows you to retrieve current set of route parameters. **\$routeParams**
- 9. Service is used to create a resource object that lets you interact with RESTful server-side data sources. **\$resource**
- 10. Directive enables binding to submit. Angular.ngSubmit()
- 11. Invoke modules. \$(injector)
- 12. Blur events. ngBlur
- 13. Service responsible for instantiating controllers. \$controller
- 14. Does Angular support deep linking? Yes
- 15. Which service combines factory and service and also throws in benefit of being able?

  Provider
- 16. Angular JS server request
- 17. How to create name for your directive? Module.directive(directive name, function())
- 18. Angular application should be initialzed only on HTML elements. False
- 19. JSON filter will take JSON or JavaScript Object and turn in to a **String**.
- 20. The directive which fetches, compiles. Ng-include
- 21. **\$(new)** is used for compiling from rootScope to childScope.
- 22. Angular function is used to wrap a raw DOM element or HTML string as jQuery.

  Angular.element
- 23. The type of data binding that takes place in Angular JS. Two-way data binding.
- 24. Angular can be used with
- 25. Scope in Angular
- 26. **Ng-switch** is used to navigate between different images.
- 27. Angular js file size. <36kB
- 28. How to initialize select box with options on page load in angular js? Ng-init
- 29. Directive when created by default is restricted to? Attribute
- 30. To include or remove HTML element from DOM tree based on {{expression}}? Ng-if directive
- 31. What is ng-cloak used for? It is an alternative for the ng-bind directive
- 32. Directive that inserts results of expression to HTML template? Interpolation
- 33. Module is a collection of
  - a) Directives b)Services c) d)All of the above
- 34. Two objects are equal. Angular.equals

- 35. To evaluate an expression when user changes the input. Ng-eval
- 36. HTML specification does not require browser. **ngSelect**
- 37. Allows you to correct CSS style. ngStyle
- 38. Not to compile/bind contents of current DOM elements. ngNonBindable

### **BACKBONE JS**

1. Which method is called when a new instance of a mode is created in backbone js?

Ans: initialize()

2. Backbone supports model validation by using which method?

Ans: Model.validate()

- Which method retrieves a default set of models from the server in the form of a JSON array?Ans: Collections.fetch()
- 4. Which function is called every time Backbone tries to read or save models to the server?

Ans: Backbone.sync()

5. Which template engine does backbone use by default?

Ans: underscore.js

6. Backbone manage application state and for connecting URLs to application event using?

Ans: Backbone.routers()

7. \_\_\_\_\_ update the view when the model changes and updates the model when the user manipulates the view.

Ans: Model

8. A views which function can be bound to a models change() event, allowing the view to always be up to date without requiring full page refresh.

Ans: render

9. What is el and \$el?

Ans: el -> reference to HTML DOM element

\$el -> reference to jQuery element

10. Which method of collections allows us to replace an entire collection with new models?

Ans: Collection.reset()

11. Which method tells Backbone that it's ok to begin monitoring all hashchange events?

Ans: Backbone.history.start()

12. All of the attributes in a Backbone model can have listeners bound to them which detect when their values change. Listeners can be added to which function?

Ans: initialize()

13. Models can be extended using

Ans: Backbone.Model.extends()

14. Keyword used to set default values

Ans: defaults

15. Which method has empty implementation?

Ans: Validate

16. How to add call back function for an object?

Ans: object.on(event, callback, [context])

17. Backbone js has a hard dependency on underscore.js

Ans: **True** 

18. Theater.Collection.Movies = Backbone.Collection.extend({

Model: Theater. Models. Movie,

url: "....",

```
initialize : function(){
           console.log("Movies initialize");
   });
   When is initialize called in the above?
   Ans: when movie object is created
19. How to remove all attributes of a model?
   Ans: model.clear()
20. How to create a new instance of a model with identical attributes?
   Ans: model.clone();
21. Model.isNew() is used to find "this model been saved to the server yet"
   Ans: True
22. What will be done on "object.off(null, onchange)"?
   Ans: removes the onchange callback for events
23. Which of the following are correct for Backbone js?
   Ans: all of the above (sort of dependency with jQuery, Offers significantly clean and elegant
   way for DOM manipulation and UI updates, two way data binding)
24. What are the underscore.js methods available in Backbone?
   Ans: All of the above (fetch, push and slice)
25. Can we use backbone js to create single page applications?
   Ans: True
   Because it supports hashchange events.
26. Collection.length gives the number of model in the collections
27. Which one is used to create custom sorting?
   Ans: comparator
28. Which method is used to obtain previous values during change event?
   Ans: Object.previous("attribute")
29. How to destroy a model?
   Ans: model.destroy()
30. What does the following program do?
   Var SortedByAlphabet = PhotoCollection.sortBy(function(photo){
           Photo.get("title").toLowerCase();
   });
   Ans: Sorting photos depending on title
31. How does backbone js help?
   Ans: both
   Incredibly small lib for the functions it provides
   Essentially MVC, making the code modular
32. To save application state to the url at a particular point you can use
   Ans: navigate()
```

33. Apps developed using Backbone js?

Ans: All of the above(bittorrentz, wordpress, linkedin)

34. Why do we need backbone js?

Ans: All of the above

35. What is the use of Collection.fetch()?

Ans: Fetches the default set of models for this collection from the server

36. Var collection = new Backbone.collection([

```
{name:"tim", age: 5};])
```

What does stringify do?

Ans: [{ "name" : "Jim",

"age": 5}]

#### Adds quotes.

37. What is the use of toJSON method of collection?

Ans: Return an array containing the attributes hash of each mode(via toJSON) in the collection

38. \_\_\_\_\_ provides methods for routing client-side pages

Ans: Backbone.router

**39.** Backbone.sync = function(method, model){alert(method+":"+model.url);}

Var account = new backbone.copllection;

Accounts.url = "accout";

Accounts.fetch();

Ans: read:\accounts

- 40. Collection.reset is useful to? Reset all models in that collection
- 41. Returns the relative url. Model.url()

### **DOJO**

1. What to do when the dojo components do not build up in the page after load?

dojo.parser.parse()

parser.parse()

2. What among the following ways can be used to bind an event with a dom element using dojo?

#### On(target, event, on Event)

#### target.event(onEvent)

- 3. Which module can be used to emit some event?
  - a) On.emit() b) emit() c) Both d) None
- 4. Can we write JS which includes dojo modules without using require? TRUE
- 5. What is the variable used for dojo configuration? dojoConfig
- 6. How to programmatically parse a dojo dom element or whole webpage? dojo/parser
- 7. Which is not a property of dojo config?
  - a) isAsync b) has c) parseOnLoad d) foo
- 8. Which attribute of dojo ajax (XHR) handles error? error
- 9. What is the method used to unbind an event? disconnect()
- 10. Which parameter in dojo grid defines the layout of the grid? structure
- 11. Which modules validates list of email addresses? dojo.validate.isEmailAddresses()
- 12. What is the attribute name which you use to define the properties of dojo widget?

#### dojo-data-props

- 13. Which module helps us to create model window? digit/dialog
- 14. Which type of select box returns the displayed string of item selected as value?

#### dijit.form.ComboBox

- 15. Which of the following select modules takes user input? dijit.form.ComboBox
- 16. How to set data store to grid? .setStore()
- 17. Which method can be used to get the domposition? dojo.coords()
- 18. Which module can be used to implement textbox with calendar? Dijit/form/Date TextBox
- 19. Which class is used to identify grid header? dojogridheader
- 20. How to read a file as store? Itemfilereadstore

- 21. Which grid module in dojo has pagination functionality? dojo.grid.EnhancedGrid.
- 22. Which method handles sorting of grid? canSort()
- 23. Which method validates the form? isValid(), validate()
- 24. Method used to check the value for the input type validation textbox? isValid(), validate()
- 25. How to set type of response data in dojo ajax call? handleAs
- **26.** Which method is used to modify the header cell in a dojo grid? **rendercell**
- 27. Which method is used to modify the content of a cell in dojo grid? renderHeaderCell
- 28. Which flag is set as true to set height of the auto grid? autoHeight
- **29.** What is the parameter that is used to set style of a column in the grid? **styles**
- 30. Which parameter defines the header string in grid structure definition? name
- 31. Expand amd. Asynchronous module definition
- 32. Which module is used to render pie charts? dojo.charting
- 33. Which dojo library supports multi language support? i18
- **34.** Which flag is set to true to make the popup draggable? **draggable**
- 35. What does dojo.query() return? arraylist
- 36. Which module provides a function that registers a callback that will run once the following conditions have met
  - a) The DOM is ready
  - b) All outstanding modules of required code have completed loading
  - c) Other registered functions with a higher priority have completed dojo.ready
- 37. Dojo is based on? Js and html
- 38. Can we use dojox/mobile/parser for dojo mobile applications? true
- 39. Which method is used to iterate through dojo.query()?forEach()
- 40. Method used to iterate items in an array? every()
- 41. Method used to break the condition on some iteration? **some()**
- 42. Which attribute defines header in a popup? title
- 43. Which is not a theme of dojo? seriya
- 44. To which element of your page do you set dijit theme class? **body**
- 45. The type of button that maintains on/off state? digit/form/toggleButton
- 46. Which textbox in dijit includes a popup time picker? digit/form/timeTextBox

- 47. Which textarea module dynamically increases or decreases its height based on the content in it?digit/form/TextArea
- 48. A textbox which takes only number input? digit/form/NumbertextBox
- 49. Method used to modify the html content of an element? .innerHTML
- 50. Method used to load a JS module from the appropriate url? dojo.require()
- 51. Method used to return a JSON serialization of an object? dojo.toJSON()
- 52. Method used to clear the contents of a DOM? dojo.empty()
- 53. Method used to destroy a DOM element? dojo.destroy()
- 54. Which is knows as Swiss Army Knife mode of dom manipulation in dojo? dojo.query()
- 55. Which method is used to implement browser back button functionally? dojo.back()
- 56. Which method is used to implement drag and drop features? dojo.dnd()
- 57. Which method is used call functions after the DOM has finished loading and widgets declared in markup have been instantitated? **dojo.ready()**
- 58. Which module is used to retrieve a collection of key constraints? dojo.keys()
- 59. Which method is used to bind events to a list of elements? NodeList.connect()

## **EXT**

- 1. Which utility class is used for creating UI templates that can be applied on data?

  Ans: Ext.Xtemplate
- 2. What class is used to fetch data from a data source?

Ans: Ext.data.proxy.Proxy

3. Which of the following are layout managers existing in ext js?

Ans: All of the above

4. How to stop editing a record?

Ans: newRecord.endEdit();

5. What are major web browsers supported by ext js?

Ans: All the above

6. What we call a tiny piece or component of functionality in ext?

Ans: widget

7. How to find no of records in a store?

Ans: store.getCount()

8. How to handle the updates for store changes?

Ans: store.commitChanges()

9. What is Xtype?

Ans: Symbolic name of ext components

10. How to hide the column in grid panel?

Ans: hidden:true

11. List the ext library files to include in javascript pages

Ans: all of the above

12. Method to update the message box body text for messageBox?

Ans: updateText([String text]);

Ext.MessageBox

13. What is the parent class for all stores in ext js?

Ans: Ext.data.store

14. What is the layout that simply fills the container with a single panel?

Ans: fit layout

15. Max size of http post request

Ans: 2043 characters

16. What is true regarding ext version 2.2?

Ans: All the above

17. Why did you choose ext js?

Ans: All the above

18. How to start editing a record?

Ans: newRecord.beginEdit();

19. If plugins are specified in the configuration, in which state they will be loaded?

Ans: intialisation

20. Which of the following represents the association between model classes?

Ans: Ext.data.association

21. What is used to specify a custom HTML element that will encapsulate the components?

Ans: autoEl

22. Method used mostly to access the component id?

Ans: getCmp()

23. Which dependency loads the button.js and recursively iterates the buttons dependancies as well?

Ans: ext.require()

24. List out the css files required to apply ext

Ans: both

25. Purpose of MessageBox

Ans: all the above

26. What are the keyNav keys that allows to navigate through your application?

Ans: All of the above

27. Which proxy includes memory for storing data in browser memory and local storage which uses

html5 local storage feature when available?

Ans: Client proxy

28. Which validation proxy ensures that a value is within the specified values?

Ans: inclusion

29. Which validation proxy ensures that a value is not within the specified values?

Ans: exclusion

30. Which proxy handles marchaling of data to some remote server and exempts ajax json?

Ans: client proxies

31. Syntax for extjs button click

**})**;

32. What is the purpose of Element object in ext?

Ans:

33. Syntax for messagebosShow()

34. Purpose of loadData() in store

Ans: All the above

35. Which of the following is one of the render class?

Ans: All the above

36. Which of the following is not the stage of ext life cycle?

Ans: waiting

37. Which class is used by the proxy classes for formatting the request payload that's sent to the server?

Ans: Ext.data.writer.Writer

38. Which proxy class is used for cross-domain communication?

Ans: Ext.data.proxy.JsonP

39. Which attribute of grid is used to enable or disable the show/hide of column?

Ans: enableColumnHide

40. Grid plugin used to render large number of records in grid?

Ans: Ext.grid.plugin.Bufferedrender

	Ans: Ext.form.field
42.	Function used to wire up a function called after DOM tree is loaded and dependent files are loaded Ans: onReady()
43.	Method used to navigate to the ancestors of the component that matches the expression passed on an argument  Ans: up
44.	How to get record object from store?  Ans: var record = grid.getStore().getAt(row,index);
45.	Special type of components that can contain other components  Ans: container
46.	Which encapsulates a client side cache of modal objects? Ans: store
47.	Which of the following is not client side proxy? Ans: Ajax.proxy
48.	Template can be defined by using Ans: Ext.Xtemplate
49.	Which are state aware components? Ans: All the above
50.	Which is the root class for all the classes with ext.define? Ans: Ext.base
51.	Which is responsible for dynamic dependencies loading? Ans: Ext.requires
52.	What is the preferred method for creating class object? Ans: Ext.create('className')
53.	Refs in controller is Ans: Reference to the UI component
54.	Which generates controller using sencha cmd?  Ans: Sencha generate controller myController
55.	How to define a new class in ext is4?

41. Package that contains the class for textbox, checkbox

Ans: Ext.define

56. Which state is bundled with EXTjs 4?

Ans: cookie provider

57. Which base for all ext component?

Ans: Ext.component

58. Which configuration is used for create, read, update and delete operations in server proxy?

Ans: api

59. How to transfer data from model to form?

Ans: Ext.form.Panel.loadRecord()

60. Which is a wrapper for Dom?

Ans: Ext.dom.Element

61. Which module has children(), parent() functions

Ans: NodeList-Traverse

Node-Traverser

Both

none

# **JQUERY**

1. What are the fastest selectors in jQuery?

Ans: Id

**Element** 

2. Why do we use jQuery?

Ans: All the above

3. Function function1()
{

Alert(argument.length);
}

Which of the following is true when a run function

Ans: the alert box displays 0

4. We can have multiple document.ready() on the same page?

Ans: True

5. What are the slow selectors in jQuery?

Ans: Class

6. Which method returns the element as a jQuery object?

Ans: eq()

7. Which method is useful when removed elements are to be reinserted into the dom at later time?

Ans: .detach()

8. Which method prevents the event from bubbling up the dom tree, preventing any parents handlers from being notified by event?

Ans: event.stopPropogation()

9. What is the method to make AJAX request in jQuery?

Ans: all the above

10. We can use protocol less url while refrencing jQuery from CDNs?

Ans: True

11. How to stop the currently running animations?

Ans: .stop()

12. What are the different type of selectors in jQuery?

Ans: All the above

13. Javascript .getElementById() is faster than jquery Id('#element')?

Ans: True

14. \$.extend(false, object0, object1, object2);

What does this code do?

Ans: It extends the object by merging opbject1 and object2 with object0

15. We can use our own specific character in the place of \$ in jQuery?

Ans: True

16. Name the jQuery method which is used for applying css class?

Ans: .addClass()

17. Which function is used to search through the whole DOM tree?

Ans: parent()
Parents()

18. Which of the following elements can you attach jQuery events to?

Ans: none

19. \$.grep(array1, function1);

The above states \_\_\_\_\_ the elements of array1 array

Ans: filters

20. Consider the following:

```
    id="li1"> Items1 
    id="li2"> Items2 
    id="li3"> Items3 
    id="li4"> Items4
```

Which of the following returns the same result as \$('#id1 li').not(\$('#li2'));?

Ans: \$('#li2').siblings();

21. jQuery defines foucusin and focusout which are cross browser focus and blur events?

Ans: True

### 22. jQuery .holdReady(false);

This function is helpful when we want to load any jQuery plugins the execution of ready event

Ans: True

# **SENCHA**

1. Which of these platforms does not support sencha touch?

**Ans: Symbian** 

2. Syntax for creating new sencha touch app with sencha command?

Ans: Sencha generate app appname pathto

3. Arrange the following in correct launch process of sencha touch app

Ans: 1,4,2,3

4. Class that sencha touch controller extend

Ans: Ext.app.controller

5. Which of the following is not the key to controller configure object?

**Ans: Controller** 

6. Different device apis available in sencha touch

Ans: Orientation Connection

Vibration

7. Which of the following is not a predefined xtype in ST?

**Ans: accordion** 

8. Which of the following does not hold true for components in ST?

Ans: It can control the entire app

9. Layouts available in sencha touch

Ans: Card

Fit Hbox

10. Keywords that listen to events in ST?

**Ans: Listeners** 

11. Class used to create form panel in ST?

Ans: Ext.form.Panel

12. ST is case sensitive?

Ans: true

13. Syntax to create list components

Ans: Ext.create('Ext List',{

```
Store: {
           Fields:['name'],
           Data:[
                   {name: 'cowper'},
                   {name: 'everett'},
                   {name: 'university'},
                   {name: 'forest'},
                   ]}
                   ItemTpl : '{name}' });
14. How to use device notification api?
   Ans: Ext.device.Notification.Show({some data});
15. How to change an active item in view port?
   Ans: Ext. Viewport. animateActiveItem(Item in Viewport, Animate);
16. Method to look for an existing component by its id
   Ans: getCmp(id);
17. Functions available in datastore
   Ans:
           filters
           Sorters
18. ST allows nested items inside EXT controller?
   Ans:
           true
19. How to fix element position top in ST?
   Ans: docked:'top'
20. Method to make ajax calls in sencha touch
   Ans: Ext.AJAX.request({});
21. Keywords used for dependency and dynamic loading
           requires
   Ans:
22. How to detect ipad environment?
   Ans: if(Ext.os.is.ipad)
23. How to detect geolocation feature in ST?
   Ans: if(Ext.feature.has.Geolocation)
24. Sencha Touch 2.3 supports blackberry10 os?
   Ans:
           true
```

25. How to load data into forms?

Ans: form.setValues();

26. Keywords used to specify html markup in data view components

Ans: itemTpl

27. Which of the following will load data automatically in sencha touch store object?

Ans: autoLoad:true

28. Class used to create store object in Sencha Touch

Ans: Ext.data.Store

29. Which of the following is not an event of Ext.panel.Component?

Ans: enabledChange

30. Which of the following enables vertical scroller on components?

**Ans: Scrollable:** 

{direction: 'vertical'}

31. Data types available in ST

Ans: Boolean

String Number

32. Which event will fire on device orientation change?

**Ans: orientationchange** 

33. Sencha touch supports ajax?

Ans: True

34. Which of the following is not config option of Ext.data.Model object?

Ans: store

35. Sencha touch 2.3 supports XHR?

Ans: True

36. Data Integration models available in Sencha Touch?

Ans: Ajax

JSONP

YQL

37. How to implement radio input field in Sencha Touch?

Ans: {xtype: 'radiofield',

```
Name: 'color',
           Value: 'green',
           Label: 'green'}
38. How to implement slider input field in Sencha Touch?
   Ans:Ext.create('Ext.form.Panel',
           {fullscreen: true,
           Items: [
           {
                   Xtype: 'sliderfield',
                   Label: 'percentage',
                   Value: 50,
                   minValue: 0,
                   maxValue: 100
           }
   }
39. Property used to style html inside content target of component
           styleHtmlContent: true
   Ans:
40. Syntax to display prompt box
           Ext.Msg.prompt('Name', 'please enter your name:',
   Ans:
                   Function(text){
                           //process text value and close...
                   });
```