**BACKBONE JS**

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

Ans: **initialize()**

1. Backbone supports model validation by using which method?

Ans: **Model.validate()**

1. Which method retrieves a default set of models from the server in the form of a JSON array?

Ans: **Collections.fetch()**

1. Which function is called every time Backbone tries to read or save models to the server?

Ans: **Backbone.sync()**

1. Which template engine does backbone use by default?

Ans: **underscore.js**

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

Ans: **Backbone.routers()**

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

Ans**: Model**

1. 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**

1. What is el and $el?

Ans: **el -> reference to HTML DOM element**

**$el -> reference to jQuery element**

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

Ans**: Collection.reset()**

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

Ans: **Backbone.history.start()**

1. 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()**

1. Models can be extended using

Ans: **Backbone.Model.extends()**

1. Keyword used to set default values

Ans: **defaults**

1. Which method has empty implementation?

Ans: **Validate**

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

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

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

Ans: **True**

1. 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**

1. How to remove all attributes of a model?

Ans: **model.clear()**

1. How to create a new instance of a model with identical attributes?

Ans: **model.clone();**

1. Model.isNew() is used to find “this model been saved to the server yet”

**Ans: True**

1. What will be done on “object.off(null, onchange)”?

Ans: **removes the onchange callback for events**

1. 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)**

1. What are the underscore.js methods available in Backbone?

Ans: **All of the above (fetch, push and slice)**

1. Can we use backbone js to create single page applications?

Ans: **True**

Because it supports hashchange events.

1. Collection.length gives **the number of model in the collections**
2. Which one is used to create custom sorting?

Ans: **comparator**

1. Which method is used to obtain previous values during change event?

Ans:  **Object.previous(“attribute”)**

1. How to destroy a model?

Ans: **model.destroy()**

1. What does the following program do?

Var SortedByAlphabet = PhotoCollection.sortBy(function(photo){

Return

Photo.get(“title”).toLowerCase();

});

Ans: **Sorting photos depending on title**

1. How does backbone js help?

Ans: **both**

**Incredibly small lib for the functions it provides**

**Essentially MVC, making the code modular**

1. To save application state to the url at a particular point you can use

Ans:  **navigate()**

1. Apps developed using Backbone js?

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

1. Why do we need backbone js?

Ans: **All of the above**

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

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

1. Var collection = new Backbone.collection([

{name:”tim”, age: 5};])

What does stringify do?

Ans: **[{ “name” : “Jim”,**

**“age” : 5}]**

**Adds quotes.**

1. 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**

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

Ans:  **Backbone.router**

1. Backbone.sync = function(method, model){alert(method+”:”+model.url);}

Var account = new backbone.copllection;

Accounts.url = “accout”;

Accounts.fetch();

Ans: **read:\accounts**

1. Collection.reset is useful to? **Reset all models in that collection**
2. Returns the relative url. **Model.url()**