ember

Concepts

- Models
- Routes   }
- Controllers   Hooks
- Components
- Templates

Route Definition

```javascript
1   // app/router.js
2   import Ember from 'ember';
3   import config from './config/environment';
4   var Router = Ember.Router.extend({
5       location: config.locationType
6   });
7
8   Router.map(function() {
9       this.route('about');
10      /*same as: this.route('about', { path: '/about' });*/
11
12      this.route('makes', function() {
13          this.route('models', { path: ':make_id' });
14      });
15  });
16  export default Router;
```

Defined routes
About: #!/about
Makes: #!/makes
Models: #!/makes/1   [id]

Implicit routes:
- Application
- Loading
- Index
- Error

Conventions Matter!

Route Name	Template	Route	Controller
Index	templates/index.hbs	route/index.js	controller/index.js
About	templates/about.hbs	route/about.js	controller/about.js
Makes	templates/makes.hbs	route/makes.js	controller/makes.js
Models	templates/makes/models.hbs	route/makes/models.js	… /makes/models.js

File   Edit   Selection   Find   View   Goto   Tools   Project   Preferences   Help

FOLDERS
- app
  - adapters
    - .gitkeep
    - add-item.js
    - focus-input.js
    - item-li.js
    - list-name.js
  - controllers
    - makes
      - models.js
    - .gitkeep
  - models
    - .gitkeep
    - cars.js
  - routes
    - makes
      - models.js
    - .gitkeep
    - makes.js
  - styles
  - templates
    - components
      - .gitkeep
      - add-item.hbs
      - item-li.hbs
      - list-name.hbs
    - makes
      - index.hbs
      - models.hbs
    - about.hbs
    - application.hbs
    - index.hbs
    - makes.hbs
  - app.js
  - index.html
  - router.js

combined.js

```javascript
1   // app/router.js
2   import Ember from 'ember';
3   import config from './config/environment';
4   var Router = Ember.Router.extend({
5       location: config.locationType
6   });
7
8   Router.map(function() {
9       this.route('about');
10      /*same as: this.route('about', { path: '/about' });*/
11
12      this.route('makes', function() {
13          this.route('models', { path: ':make_id' });
14      });
15  });
16  export default Router;
17
18  |
19  // app/templates/makes.hbs
20  <div class="container-fluid">
21      <div class="row">
22          <div class="col-sm-4 col-md-3">
23              <ul class="nav nav-pills nav-stacked">
24              {{#each model as |make|}}
25                  <li>{{link-to make.name 'makes.models' make.id}}</li>
26              {{/each}}
27              </ul>
28              <br>
29              {{add-item store=store}}
30          </div>
31          <div class="col-sm-8 col-md-9">
32              {{outlet}}
33          </div>
34      </div>
35  </div>
36
37  // app/routes/makes.js
38  import Ember from 'ember';
39  export default Ember.Route.extend({
40      model: function() {
41          return this.store.find('cars');
42      }
43  });
```

Line 18, Column 1   Tab Size: 4   JavaScript

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Tabs: combined.js | add-item.hbs

```javascript
47  // app/controllers/makes/models.js
48
49  import Ember from 'ember';
50  export default Ember.Controller.extend({
51      actions: {
52          deleteItem: function () {
53              var _this = this;
54              this.store.find('cars', this.get('model.id')).then(function (item) {
55                  item.destroyRecord();
56                  _this.transitionToRoute('makes');
57              });
58          }
59      }
60  });
61
62
63  // app/templates/makes/models.hbs
64
65  <button {{action 'deleteItem'}} class="pull-right">x</button>
66  <h4>{{list-name name=model.name}}</h4>
67
68  <ol>
69      {{#each model.models as |item|}}
70      {{item-li item=item models=model.models}}
71      {{/each}}
72  </ol>
73
74  <hr>
75  {{add-item type='model' models=model.models}}
76
77
78  // app/templates/components/add-item.hbs
79
80  {{#if isAdding}}
81      {{focus-input value=entry action='addDone' focus-out='addCancel'}}
82  {{else}}
83      <button {{action 'addNew'}}>+ Add</button>
84  {{/if}}
```

Line 84, Column 8   Tab Size: 4   JavaScript

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  - router.js

combined.js   add-item.hbs

```javascript
47  // app/controllers/makes/models.js
48
49  import Ember from 'ember';
50  export default Ember.Controller.extend({
51      actions: {
52          deleteItem: function () {
53              var _this = this;
54              this.store.find('cars', this.get('model.id')).then(function (item) {
55                  item.destroyRecord();
56                  _this.transitionToRoute('makes');
57              });
58          }
59      }
60  });
61
62
63  // app/templates/makes/models.hbs
64
65  <button {{action 'deleteItem'}} class="pull-right">x</button>
66  <h4>{{list-name name=model.name}}</h4>
67
68  <ol>
69      {{#each model.models as |item|}}
70      {{item-li item=item models=model.models}}
71      {{/each}}
72  </ol>
73
74  <hr>
75  {{add-item type='model' models=model.models}}
76
77
78  // app/templates/components/add-item.hbs
79
80  {{#if isAdding}}
81      {{focus-input value=entry action='addDone' focus-out='addCancel'}}
82  {{else}}
83      <button {{action 'addNew'}}>+ Add</button>
84  {{/if}}
```

localhost:4200/#/makes/3

Makes & Models   About   List Manager

BMW

Chevrolet

Ford

Mercedes-Benz

Nissan

Toyota

+ Add

Ford

1. Mustang
2. Fiesta
3. Pinto
4. Focus
5. Explorer
6. Fusion

+ Add
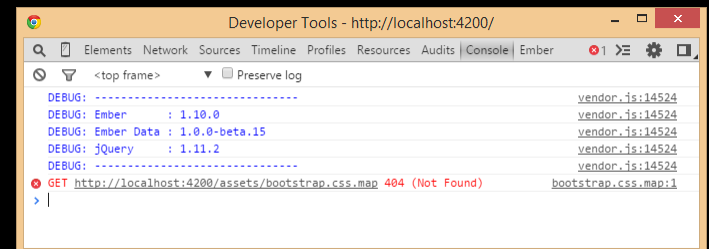
x

Starter Pack

{{HTMLBars}}

Ember Data

(Optional, but helpful!)

Developer Tools

+

Install node and npm
> npm install -g ember-cli
> npm install -g bower
> npm install -g phantomjs

Create a new project
> ember new my-project

> cd my-project
my-project> ember server
Launch web browser: http://localhost:4200

Adding bootstrap (example):
my-project> ember install:bower bootstrap

Edit Brocfile.js
app.import('bower_components/bootstrap/dist/css/bootstrap.css');

Ready for dist?
my-project> ember build