```
ember new <name_of_the_app>
ember new loopylog
```

To start server:

```
ember s
```

```
ember generate
ember g template application
```

```
ember g route production
```

To install addon

```
ember install ember-pikaday
```

-->once install the add ons server has to refresh. so once aging enter <<ember s>> to start server

```
ember build --environment production
```

Check with python simple HTTP server:
==

```
cd dist
```

```
python -m http.server 8000
```

```
python -m SimpleHTTPServer
```

Add more plugins
=================

```
ember install ember-cli-sass
ember install ember-cli-bourbon
ember install ember-font-awesome
```

```
restart server:
===============
ember s
```

update your application.hbs file which includes

```
<nav class="title">
<h1> Heading</h1>
</nav>

<main>
{{outlet}}
</main>
```

updated app.scss file with the spec styles.

check if the styles changed

optional

if styles not changed.

```
rmdir /s node_modules bower_components dist tmp
```

```
npm install

bower install
```

generate route for dimension page:

=======================================

```
ember g route production/dimension
```

add model in production.js

=============================

```
model(){
  return {
    "name" : "Tom",
    "age":23,
    "gender" : "Female"
   }
}
```

Add the following in the production.hbs file:

```
<h2>Production</h2>

<p>Name : {{model.name}}</p>
<p>Age: {{model.age}}</p>
<p>Gender : {{model.gender}}</p>
```

```
mkdir public\images

mkdir public\data
```

copy image into images

copy employee.json into data

production.js

```
import Ember from 'ember';

export default Ember.Route.extend({
  model(){
    /*return {
      "name" : "Tom",
      "age":23,
      "gender" : "Female"
    }*/
    return Ember.$.getJSON("/data/employee.json");
  }
});
```

production.hbs

```
<h2>Production</h2>

<p>Name : {{model.[10].name}}</p>
<p>Age: {{model.[10].age}}</p>
<p>Gender : {{model.[10].gender}}</p>
```

nested routes:

```
ember g route production/dimension
```

production.hbs

```
<h2>Production</h2>

<p>Product : {{model.[10].ProductName}}</p>
<p>Boards: {{model.[10].BoardsSum}}</p>
```

```
<p>BoardFeet : {{model.[10].BoardFeetSum}}</p>
<p>{{#link-to 'production.dimension'
model.[10].DimensionID}}Dimension : {{model.[10].DimensionName}}
{{/link-to}}</p>

{{outlet}}
```

dimension.hbs

```
<h3>Dimension Details</h3>
{{outlet}}
```

Dynamic Segments:

production.js

```
import Ember from 'ember';

export default Ember.Route.extend({
  model(params){
    /*return {
      "name" : "Tom",
      "age":23,
      "gender" : "Female"
    }*/
    return
Ember.$.getJSON(`/data/production.json?start=${params.start}&end
=${params.end}`);
  }
});
```

router.js

```
import Ember from 'ember';
import config from './config/environment';

const Router = Ember.Router.extend({
  location: config.locationType,
  rootURL: config.rootURL
});

Router.map(function() {
  this.route('production', {path: "/:start/to/:end"}, function()
{
    this.route('dimension', {path: "/dimension/:dimension_id"});
  });
});

export default Router;
```

production.hbs

```
<h2>Production</h2>

<p>Product : {{model.[10].ProductName}}</p>
<p>Boards: {{model.[10].BoardsSum}}</p>
<p>BoardFeet : {{model.[10].BoardFeetSum}}</p>
<p>{{#link-to 'production.dimension'
model.[10].DimensionID}}Dimension : {{model.[10].DimensionName}}
{{/link-to}}</p>

{{outlet}}
```

dimension.hbs

```
<h3>Dimension : {{model.DimensionName}}</h3>
{{outlet}}
```

Use the below link in browser:

http://localhost:4200/yesterday/to/today

Index Routes:

```
ember g template production/index
```

index.hbs

```
<p>Product : {{model.[10].ProductName}}</p>
<p>Boards: {{model.[10].BoardsSum}}</p>
<p>BoardFeet : {{model.[10].BoardFeetSum}}</p>
<p>{{#link-to 'production.dimension'
model.[10].DimensionID}}Dimension : {{model.[10].DimensionName}}
{{/link-to}}</p>
```

production.hbs

```
<h2>Production</h2>


{{outlet}}
```

Check the below URl again in browser:

http://localhost:4200/yesterday/to/today

Redirecting and Loading:

```
ember g route index
```

index.js

```
import Ember from 'ember';

export default Ember.Route.extend({
  beforeModel() {
    this.transitionTo('production', "yesterday", "today");
  }
});
```

```
ember g template production-loading
```

production-loading.hbs

LOADING!!!

copy loading.gif into public/images folder

production-loading.hbs

```
<div class="centroid">
  <img src="/images/loading.gif"><br>
  Loading Production data...
</div>
```

Update production.js file as below:

production.js

```
import Ember from 'ember';
const Promise = Ember.RSVP.Promise;
export default Ember.Route.extend({
  model(params){
    /*return {
      "name" : "Tom",
      "age":23,
      "gender" : "Female"
    }*/
    //return
Ember.$.getJSON(`/data/production.json?start=${params.start}&end
=${params.end}`);
    return new Promise(function(resolve) {
      setTimeout(function() {
        let data =
Ember.$.getJSON(`/data/production.json?starts_at=${params.start}
&ends_at=${params.end}`);
        resolve(data);
      }, 400);
    });
  }
});
```

Using Templates Properly

Loops and Conditions

Change index.hbs file under templates/production/index.hbs

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>

  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr>
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{row.BoardFeetSum}}</td>

    </tr>
  {{/each}}
  </tbody>
</table>
```

Apply if condition

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>

  </tr>
  </thead>
```

```
 <tbody>
 {{#each model as |row|}}
  <tr class="{{if row.BoardsSum "" "Zero"}}">
   <td>
    {{#link-to "production.dimension" row.DimensionID}}
     {{row.DimensionName}}
    {{/link-to}}
   </td>
   <td class="quantity">{{row.BoardsSum}}</td>
   <td class="quantity">{{row.BoardFeetSum}}</td>

  </tr>
 {{/each}}
 </tbody>
</table>
```

```
ember install ember-truth-helpers
```

and restart server

```
ember s
```

index.hbs

```
<table class="table">
 <thead>
 <tr>
  <th>Dimension</th>
  <th>Boards</th>
  <th>BoardFeet</th>

 </tr>
 </thead>
 <tbody>
 {{#each model as |row|}}
  <tr class="{{if (lt row.BoardsSum 10) (if (gt row.BoardsSum
5) "Zero" "") ""}}">
   <td>
    {{#link-to "production.dimension" row.DimensionID}}
     {{row.DimensionName}}
```

```
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{row.BoardFeetSum}}</td>

    </tr>
  {{/each}}
  </tbody>
</table>
```

Negation can be mentioned with *unless* keyword

```
{{unless (lt row.BoardsSum 10) "Zero" ""}}
```

Apply Boolean value:

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{if (lt row.BoardsSum 10) (if (gt row.BoardsSum
5) "Zero" "") ""}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{row.BoardFeetSum}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Named Arguments:

For number formatting use below add-ons

```
ember install ember-cli-accounting
```

ember s → to restart

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{if (lt row.BoardsSum 10) (if (gt row.BoardsSum
5) "Zero" "") ""}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Create a Helper:

```
ember g helper row-class
```

```
ember s
```

you will be getting row-class.js under helpers/row-class.js

do the below changes

row-class.js

```
import Ember from 'ember';

export function rowClass(params/*, hash*/) {
  if (params[0]) {
    var row = params[0],
      class_names = [];
    if (row.Boards === 0 || row.BoardsSum === 0) {
      class_names.push("zero");
    }
    //other conditions

    return class_names.join(" ");
  }
  return '';
}

export default Ember.Helper.helper(rowClass);
```

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Debugging

log and debugger

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName.length}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Add log

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{log row.DimensioName}}
          {{log row.DimensioName.length}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Add debugger

It will add break point

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
                   {{log row.DimensioName.length}}
        {{/link-to}}
        {{debugger}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Use below in console:

1. row
2. get(“row”)
3. get("row").DimensionName

When you click dimension it will move to details.
Update routes→production→dimension.js

dimension.js

```
import Ember from 'ember';

export default Ember.Route.extend({
  model(params){
    //return
Ember.$.getJSON('/data/production.json'...).then(...);
    return this.modelFor('production')
      .findBy('DimensionID',parseInt(params.dimension_id));
  }
});
```

Ember.object

Add computed property as well

ember g model production

update model/production.js

production.js

```
import Ember from 'ember';

export default Ember.Object.extend({
  boards: Ember.computed('BoardsSum', function() {
    return this.get('BoardsSum');
  }),
  boardfeet: Ember.computed.alias('BoardFeetSum'),
  volume: Ember.computed('NominalLength', 'NominalWidth',
'NominalThickness', function() {
    return this.get('NominalLength') * 12 *
this.get('NominalWidth') * this.get('NominalThickness');
  })
});
```

update routes/production.js

production.js

```
import Ember from 'ember';
const Promise = Ember.RSVP.Promise;
import Production from 'loopyapp/models/production';

export default Ember.Route.extend({
  model(params) {
    // return {
    //   "ProductName": "Ponderosa",
    //   "DimensionName": "1\" X 4\" X 14'",
    //   "BoardsSum": 20,
    //   "BoardFeetSum": 10000
    // }
    // return
Ember.$.getJSON(`/data/production.json?start=${params.start}&end
=${params.end}`);
    return new Promise(function(resolve) {
      setTimeout(function() {

Ember.$.getJSON(`/data/production.json?starts_at=${params.start}
&ends_at=${params.end}`, function(data) {
          let records = [];
          data.forEach(function(item) {
            records.push( Production.create(item) );
          });
          resolve(records);
        });
      }, 400);
    });
  }
});
```

Create controller

ember g controller production/index

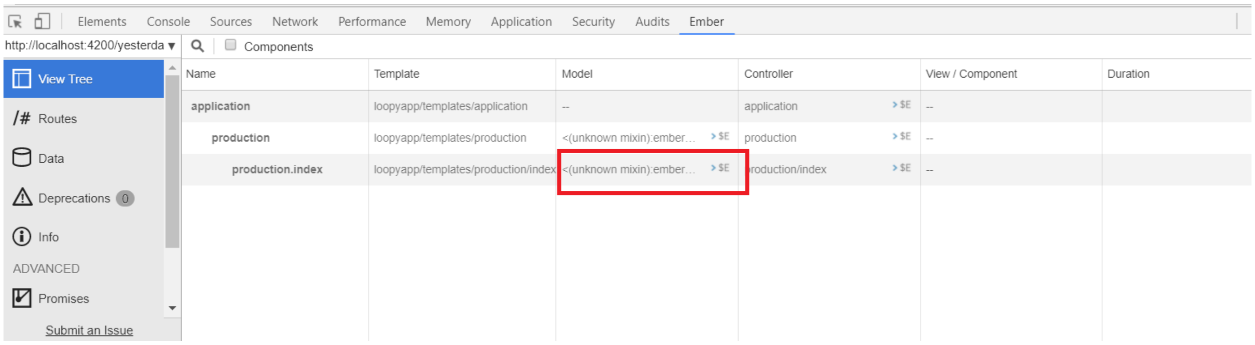
update controller/production/index.js

index.js

```
import Ember from 'ember';

export default Ember.Controller.extend({
  // total_boards: Ember.computed('model.@each.boards',
function() {
  //   return this.get('model').reduce(function(prev, row) {
  //     return prev + parseFloat(row.get('boards'));
  //   }, 0);
  // }),
  boards: Ember.computed.mapBy('model', 'boards'),
  total_boards: Ember.computed.sum('boards'),
  max_boards: Ember.computed.max('boards'),
  boardfeets: Ember.computed.mapBy('model', 'boardfeet'),
  total_boardfeet: Ember.computed.sum('boardfeets'),
  max_boardfeet: Ember.computed.max('boardfeets')
});
```

1. First work with commented statements
2. Go to chrome and open inspector
    a. Under Ember → View Tree→Model



Name	Template	Model	Controller	View / Component	Duration
application	loopyapp/templates/application	--	application >$E	--	
production	loopyapp/templates/production	<(unknown mixin):ember... >$E	production >$E	--	
production.index	loopyapp/templates/production/index	<(unknown mixin):ember... >$E	roduction/index >$E	--	

3. Select $E under model → production.index as highlighted above.
4. In the console enter below commands

```
$E[0]

$E[0].get('boards')

$E[0].set('boards',5)
```

5. This will not update the total, now enable the highlighted code. Now you can see total gets changed.

Reusable components

```
ember g component table-production
```

1. Go to template→production→ index.hbs

Replace the code as

index.hbs

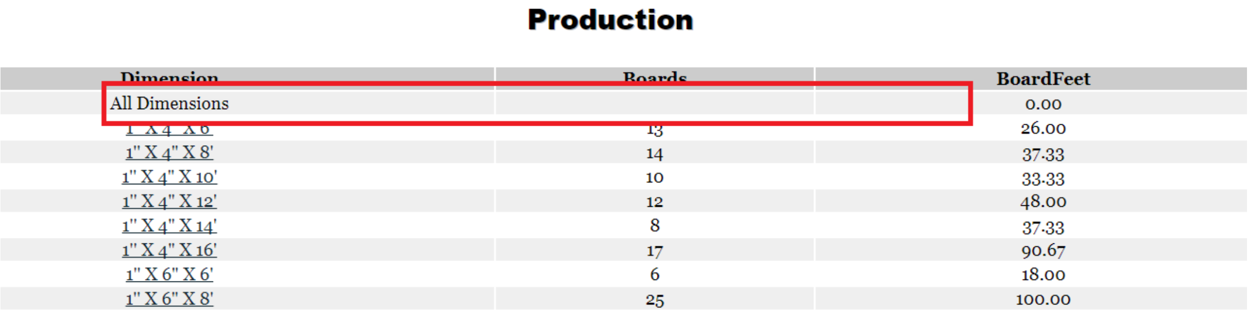
```
{{table-production model=model}}
```

2. update template→ component→ table-production.hbs file as follows

table-production.js

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  <tr class="total">
    <td>All Dimensions</td>
    <td>{{total_boards}}</td>
    <td>{{format-number total_boardfeet precision=2}}</td>
    <td></td>
  </tr>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.boards}}</td>
      <td class="quantity">{{format-number row.boardfeet
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.boards
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Note: Now if you check the browser Total will not appear



Production

Dimension	Boards	BoardFeet
All Dimensions		0.00
1" X 4" X 6'	13	26.00
1" X 4" X 8'	14	37.33
1" X 4" X 10'	10	33.33
1" X 4" X 12'	12	48.00
1" X 4" X 14'	8	37.33
1" X 4" X 16'	17	90.67
1" X 6" X 6'	6	18.00
1" X 6" X 8'	25	100.00

3. Comment the computer property from controller

Controller→ production→ index.js

index.js

```
import Ember from 'ember';

export default Ember.Controller.extend({
  // total_boards: Ember.computed('model.@each.boards', function() {
  //   return this.get('model').reduce(function(prev, row) {
  //     return prev + parseFloat(row.get('boards'));
  //   }, 0);
  // }),
 /* boards: Ember.computed.mapBy('model', 'boards'),
  total_boards: Ember.computed.sum('boards'),
  max_boards: Ember.computed.max('boards'),
  boardfeets: Ember.computed.mapBy('model', 'boardfeet'),
  total_boardfeet: Ember.computed.sum('boardfeets'),
  max_boardfeet: Ember.computed.max('boardfeets')*/
});
```

4. Move that code to component → table-production.js

table-production.js

```
import Ember from 'ember';

export default Ember.Component.extend({
  boards: Ember.computed.mapBy('model', 'boards'),
  total_boards: Ember.computed.sum('boards'),
  max_boards: Ember.computed.max('boards'),
  boardfeets: Ember.computed.mapBy('model', 'boardfeet'),
  total_boardfeet: Ember.computed.sum('boardfeets'),
  max_boardfeet: Ember.computed.max('boardfeets')
});
```

Changing the tag Name

Component → table-production.js

table-production.js

```
import Ember from 'ember';

export default Ember.Component.extend({
  tagName: 'table',
  classNames: ['table'],
  boards: Ember.computed.mapBy('model', 'boards'),
  total_boards: Ember.computed.sum('boards'),
  max_boards: Ember.computed.max('boards'),
  boardfeets: Ember.computed.mapBy('model', 'boardfeet'),
  total_boardfeet: Ember.computed.sum('boardfeets'),
  max_boardfeet: Ember.computed.max('boardfeets')
});
```

templates → components → table-production.hbs

table-production.hbs

```
<!--<table class="table">-->
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  <tr class="total">
    <td>All Dimensions</td>
    <td>{{total_boards}}</td>
    <td>{{format-number total_boardfeet precision=2}}</td>
    <td></td>
  </tr>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.boards}}</td>
      <td class="quantity">{{format-number row.boardfeet
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.boards
0}}></td>
    </tr>
  {{/each}}
  </tbody>
<!--
</table>-->
```

Handling a block

Create another component

ember g component table-th

1. Components → table-th.js

table-th.js

```
import Ember from 'ember';

export default Ember.Component.extend({
  tagName: 'th'
});
```

2. templates→components→table-th.hbs

table-th.hbs

```
{{#if hasBlock}}
  {{yield}}
{{else}}
  {{name}}
{{/if}}
```

3. templates→components→table-production.hbs

table-production.hbs

```
<!--<table class="table">-->
  <thead>
    <tr>
    {{table-th name="Dimension"}}
    {{table-th name="Boards"}}
    {{table-th name="BoardFeet"}}
    {{#table-th}}{{fa-icon "cogs"}}{{/table-th}}
  </tr>
  </thead>
  <tbody>
  <tr class="total">
    <td>All Dimensions</td>
    <td>{{total_boards}}</td>
    <td>{{format-number total_boardfeet precision=2}}</td>
    <td></td>
  </tr>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.boards}}</td>
      <td class="quantity">{{format-number row.boardfeet
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.boards
0}}></td>
    </tr>
  {{/each}}
  </tbody>
<!--
</table>-->
```

Triggering Events and Actions

ember g component form-dimension

In dimension template call this component

1. component → form-dimension.js

form-dimension.js

```
import Ember from 'ember';

export default Ember.Component.extend({
  editing: false,
  actions: {
    edit() {
      this.set('editing', true);
    },
    save() {
      //save something to the server
      this.set('editing', false);
    },
    cancel() {
      this.set('editing', false);
    }
  }
});
```

2. templates → components → form-dimension.hbs

form-dimension.hbs

```
{{#if editing}}
  <span class="form dirty">
    <p>Dimension: {{input value=model.DimensionName}}</p>
    <p>Board: {{input value=model.boards}}</p>
    <p>BoardFeet: {{input value=model.boardfeet}}</p>
    <p>
      <span {{action 'save'}}>{{fa-icon 'floppy-o'}}</span>
      <span {{action 'cancel'}}>{{fa-icon 'ban'}}</span>
    </p>
  </span>
{{else}}
  <span class="form">
    <p>Dimension: {{model.DimensionName}}</p>
    <p>Board: {{model.boards}}</p>
    <p>BoardFeet: {{model.boardfeet}}</p>
    <p>
      <span {{action 'edit'}}>{{fa-icon 'pencil'}}</span>
    </p>
  </span>
{{/if}}
```

3. templates → components → table-production.hbs

```
<!--<table class="table">-->
  <thead>
    <tr>
    {{table-th name="Dimension"}}
    {{table-th name="Boards"}}
    {{table-th name="BoardFeet"}}
    {{#table-th}}{{fa-icon "cogs"}}{{/table-th}}
  </tr>
  </thead>
  <tbody>
  <tr class="total">
    <td>All Dimensions</td>
    <td>{{total_boards}}</td>
    <td>{{format-number total_boardfeet precision=2}}</td>
    <td></td>
  </tr>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.boards}}</td>
      <td class="quantity">{{format-number row.boardfeet
precision=2}}</td>
     <!-- <td><input type="checkbox" disabled={{eq row.boards
0}}></td>-->

      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{fa-icon 'search'}}
        {{/link-to}}
      </td>
    </tr>
  {{/each}}
  </tbody>
```

```
<!--
</table>-->
```

Sending actions

ember g component loopy-loader

1. component → loopy-loader.js

loopy-loader.js

```
import Ember from 'ember';
import moment from 'moment';

export default Ember.Component.extend({
  actions: {
    loadData() {
      let newStart = moment(new
Date(this.get('start_date'))).format('MM-DD-YYYY ') +
this.get('start_time');
      let newEnd = moment(new
Date(this.get('end_date'))).format('MM-DD-YYYY ') +
this.get('end_time');
      let url = `/${newStart}/to/${newEnd}`;
      // this.transitionTo(url);
      // this.sendAction("action", url);
      this.get('load')(url);
    }
  }
});
```

2. templates → components → loopy-loader.hbs

loopy-loader.hbs

```
<header class="details">
  <span>
    <form {{action 'loadData' on="submit"}}>
      <p>
        Start Date: {{pikaday-input value=start_date
format="MM/DD/YYYY"}}
      </p>
      <p>
```

```
        End Date: {{pikaday-input value=end_date format="MM/DD/YYYY"}}
      </p>
      <p>
        Start Time: {{input value=start_time}}
      </p>
      <p>
        End Time: {{input value=end_time}}
      </p>
      <p>
        <button type="submit">Load Data</button>
      </p>
    </form>
  </span>
</header>
```

3. Intall below helper

```
ember install ember-route-action-helper
```

4. templates → production.hbs

```
{{loopy-loader start_date=start_date start_time=start_time end_date=end_date end_time=end_time load=(route-action 'loadData')}}

<h2>
  {{#link-to 'production' start end}}
    Production From {{unbound start_time}} to {{unbound end_time}}
  {{/link-to}}
</h2>

{{outlet}}
```

Sort the table:

1. templates → components → table-th.hbs

table-th.hbs

```
{{#if hasBlock}}
  {{yield}}
{{else}}
```

```
  {{name}} <span {{action 'sort'}}>&#x25BC;</span>
{{/if}}
```

2. templates → components → table-production.hbs

table-production.hbs

```
<thead>
<tr>
  {{table-th current_sort=sort_by name="Dimension"
sort_by="default" sort_data=(action 'sort_data')}}
  {{table-th current_sort=sort_by name="Boards" sort_by="boards"
sort_data=(action 'sort_data')}}
  {{table-th current_sort=sort_by name="BoardFeet"
sort_by="boardfeet" sort_data=(action 'sort_data')}}
  {{#table-th}}{{fa-icon "cogs"}}{{/table-th}}
</tr>
</thead>
<tbody>
<tr class="total">
  <td>All Dimensions</td>
  <td>{{total_boards}}</td>
  <td>{{format-number total_boardfeet precision=2}}</td>
  <td></td>
</tr>
{{#each sorted_model as |row|}}
  <tr class="{{row-class row}}">
    <td>
      {{#link-to "production.dimension" row.DimensionID}}
        {{row.DimensionName}}
      {{/link-to}}
    </td>
    <td class="quantity">{{row.boards}}</td>
    <td class="quantity">{{format-number row.boardfeet
precision=2}}</td>
    <td>
      {{#link-to "production.dimension" row.DimensionID}}
        {{fa-icon 'search'}}
      {{/link-to}}
    </td>
  </tr>
{{/each}}
</tbody>
```

3. components → table-th.js

table-th.js

```
import Ember from 'ember';

export default Ember.Component.extend({
  tagName: 'th',
  classNameBindings: ['th_class'],
  th_class: Ember.computed('sort_by', 'current_sort', function()
{
    if (this.get('sort_by') === this.get('current_sort')) {
      return 'sorted';
    } else { return ''; }
  }),
  actions: {
    sort() {
      this.get('sort_data')(this.get('sort_by'));
    }
  }
});
```

4. components → table-production.js

table-production.js

```
import Ember from 'ember';

export default Ember.Component.extend({
  tagName: 'table',
  classNames: ['table'],
  sort_by: "default",
  sorted_model: Ember.computed('model', 'sort_by', function() {
    switch(this.get('sort_by')) {
      case "boards":
        return this.get('model').sortBy('boards',
'DimensionName').reverse();
      case "boardfeet":
        return this.get('model').sortBy('boardfeet',
'DimensionName').reverse();
      default:
        return this.get('model');
    }
  }),
  boards: Ember.computed.mapBy('model', 'boards'),
  total_boards: Ember.computed.sum('boards'),
  max_boards: Ember.computed.max('boards'),
  boardfeets: Ember.computed.mapBy('model', 'boardfeet'),
  total_boardfeet: Ember.computed.sum('boardfeets'),
  max_boardfeet: Ember.computed.max('boardfeets'),
  actions: {
    sort_data(column) {
      this.set('sort_by', column);
    }
  }
});
```

Services

```
ember g service mystore
```

```
ember g initializer mystore
```

1. services → mystore.js

mystore.js

```
import Ember from 'ember';
import Production from 'loopyapp/models/production';

export default Ember.Service.extend({
  production(start, end) {
    let data =
Ember.$.getJSON(`/data/production.json?starts_at=${start}&ends_a
t=${end}`);
    return data.then((json) => {
        let records = [];
    json.forEach(function(item) {
      records.push( Production.create(item) );
    });
    this.set('data', records);
    return records;
  });
  },

  dimension(dimension_id) {
    return this.get('data').findBy('DimensionID',
parseInt(dimension_id));
  }
});
```

2. routes → production.js

production.js

```
import Ember from 'ember';
// import Production from 'loopyapp/models/production';
import moment from 'moment';
// const Promise = Ember.RSVP.Promise;

export default Ember.Route.extend({
  model(params) {
    // return {
    //   "ProductName": "Ponderosa",
    //   "DimensionName": "1\" X 4\" X 14'",
    //   "BoardsSum": 20,
    //   "BoardFeetSum": 10000
    // }
    // return
Ember.$.getJSON(`/data/production.json?start=${params.start
}&end=${params.end}`);
    this.set('params', params);
    // return new Promise(function(resolve) {
    //   setTimeout(function() {
    //     let data =
Ember.$.getJSON(`/data/production.json?starts_at=${params.s
tart}&ends_at=${params.end}`);
    //     data.then(function(data) {
    //       let records = [];
    //       data.forEach(function(item) {
    //         records.push( Production.create(item) );
    //       });
    //       resolve(records);
    //     });
    //   }, 400);
    // });
    return this.get('mystore').production(params.start,
params.end);
  },
  // mystore: Ember.inject.service('mystore'),
  setupController(controller, model) {
    this._super(controller, model);
    let params = this.get('params');
    controller.set('start', params.start);
    controller.set('end', params.end);
    controller.set('start_date', moment(new
Date(params.start)).format('MM/DD/YYYY'));
    controller.set('end_date', moment(new
Date(params.end)).format('MM/DD/YYYY'));
    controller.set('start_time', moment(new
Date(params.start)).format('HH:mm'));
    controller.set('end_time', moment(new
Date(params.end)).format('HH:mm'));
  },
  actions: {
    loadData(url) {
      this.transitionTo(url);
    }
  }
});
```

3. routes→ production → dimension.js

```
import Ember from 'ember';

export default Ember.Route.extend({
  // mystore: Ember.inject.service(),
  model(params) {
    // return
Ember.$.getJSON('/data/production.json'...).then(...);
    // return this.modelFor('production')
    // .findBy('DimensionID',
parseInt(params.dimension_id));
    return
this.get('mystore').dimension(params.dimension_id);
  }
});
```

4. initializers → mystore.js

```
export function initialize(application) {
  application.inject('route', 'mystore', 'service:mystore');
}

export default {
  name: 'mystore',
  initialize
};
```