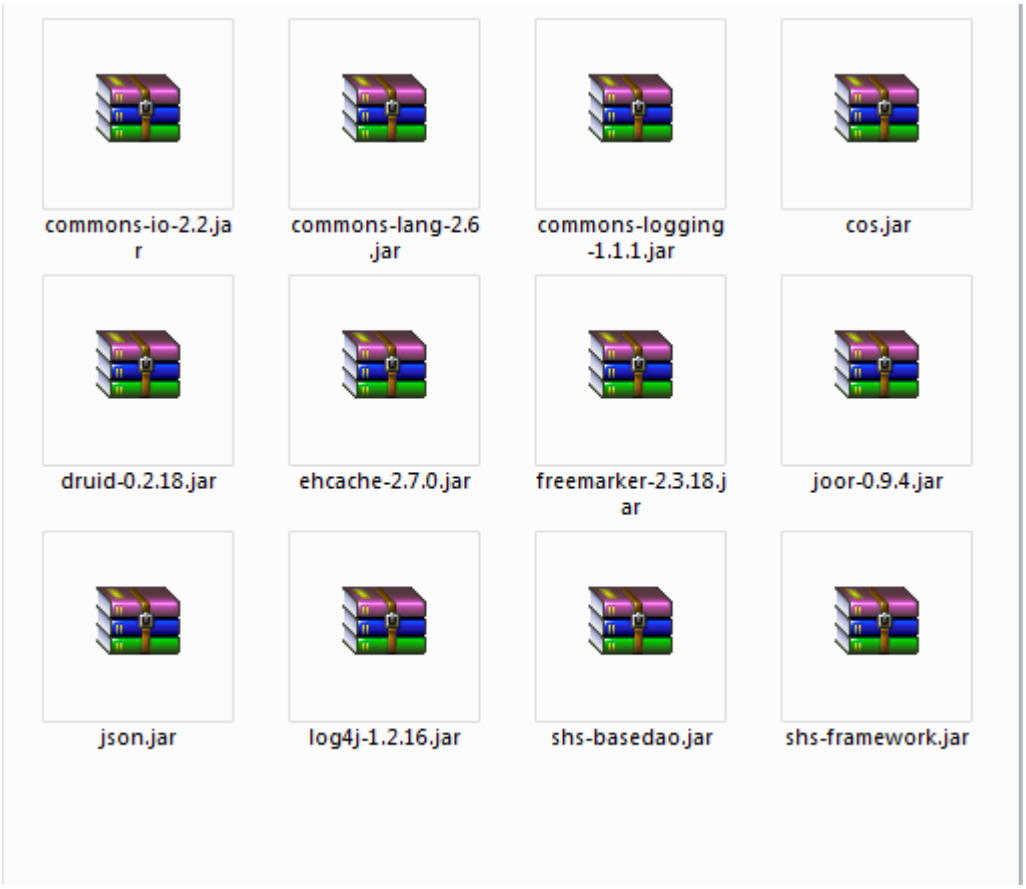
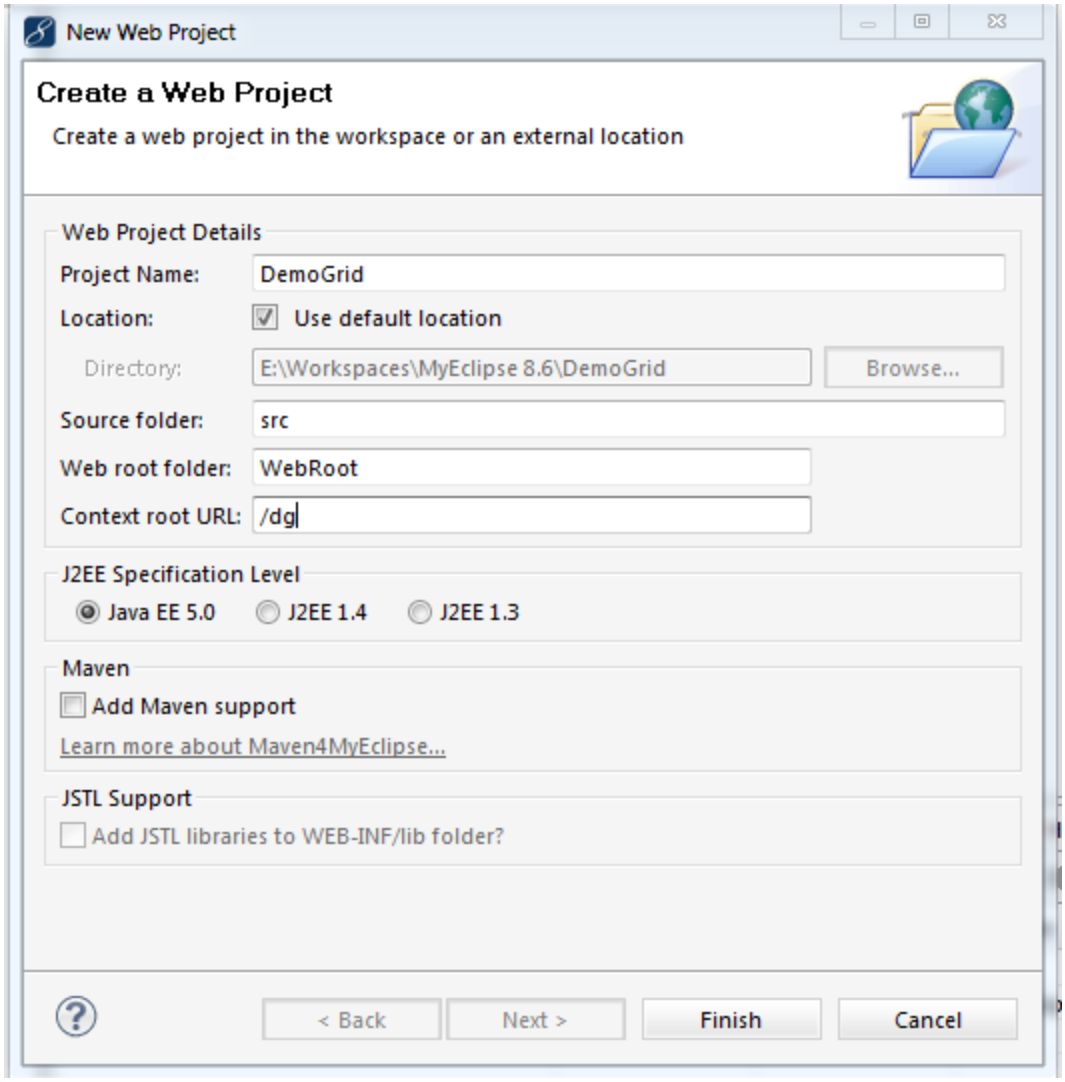
ExtJS Grid 样例

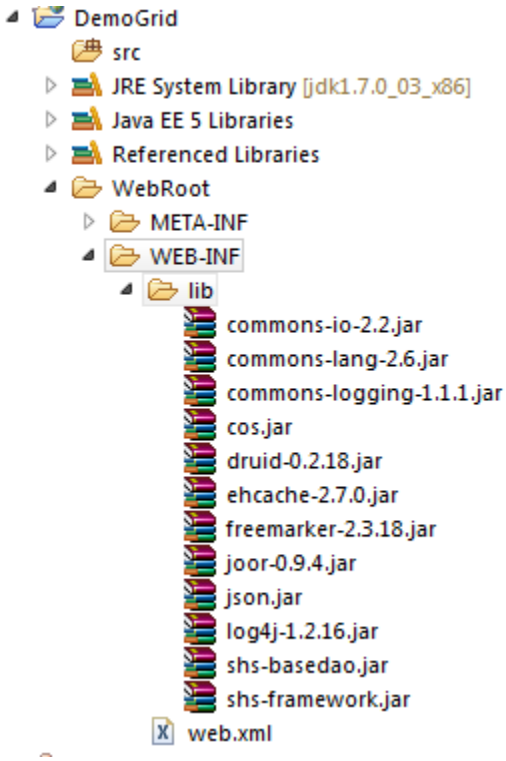
1. 准备 jar 包，如下图



2. 新建 Web 项目，此处以 Eclipse 为例



3. 添加 jar 包到项目下，如下图



4. 配置 web.xml

```
<filter>
  <filter-name>app</filter-name>
  <filter-class>com.shs.framework.core.CoreFilter</filter-class>
</filter>
<filter-mapping>
  <filter-name>app</filter-name>
  <url-pattern>/*</url-pattern>
</filter-mapping>
```

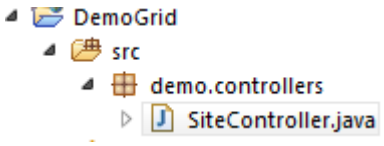
结果如下图

web.xml

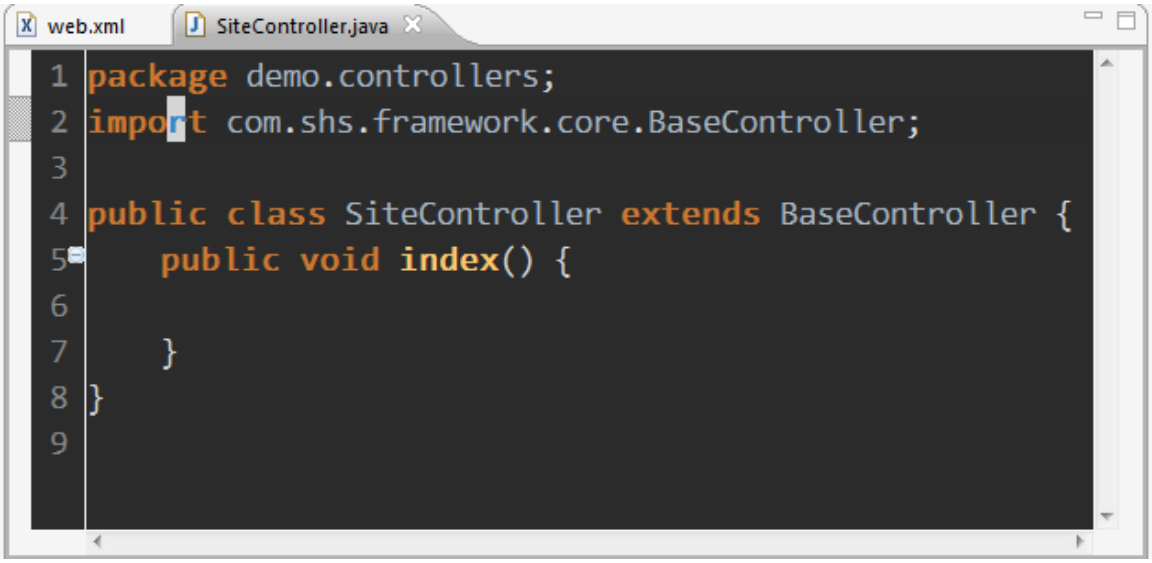
```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="2.5"
  xmlns="http://java.sun.com/xml/ns/javaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
  http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd">
  <filter>
    <filter-name>app</filter-name>
    <filter-class>com.shs.framework.core.CoreFilter</fi
</filter>
<filter-mapping>
    <filter-name>app</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>
</web-app>
```

Design Source

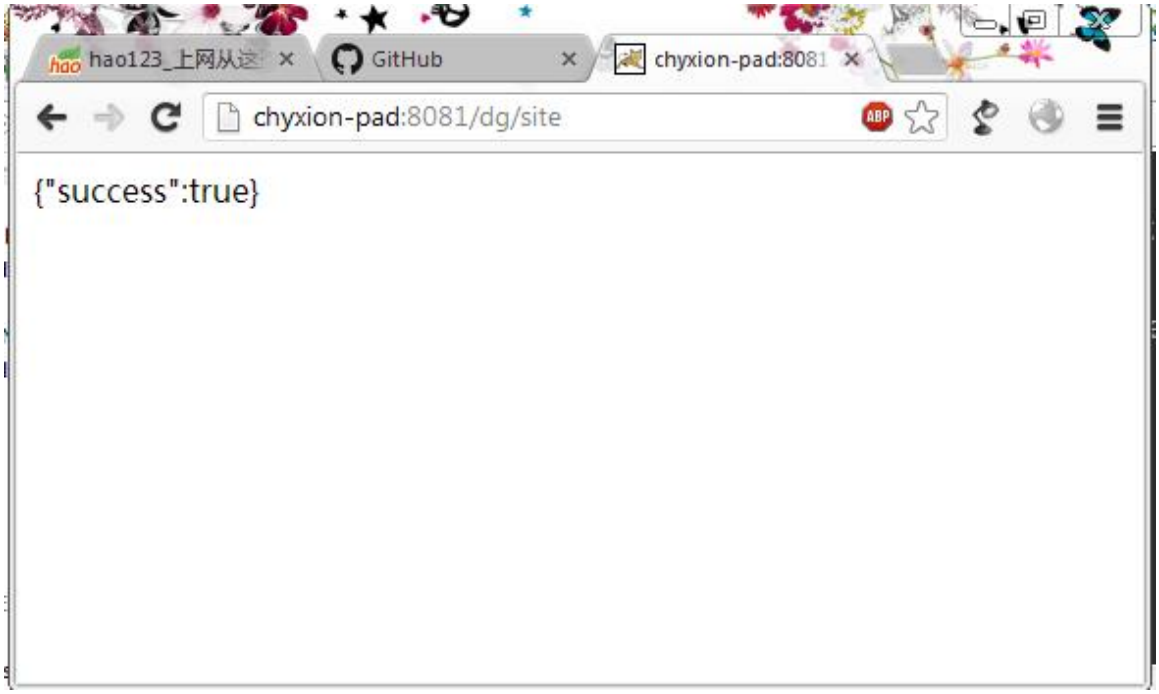
5. 创建 controller 类，继承 BaseController



代码内容，如下图



6. 部署项目，访问/site，如下图所示

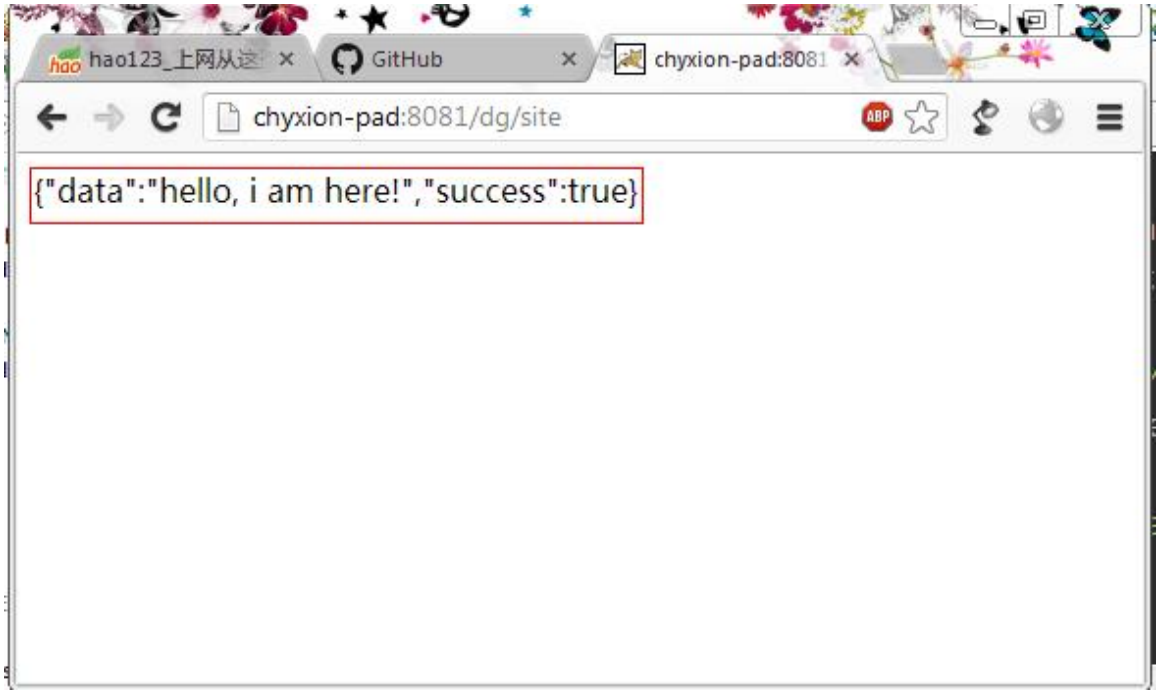


7. 修改 SiteController，配置路由，输入点内容

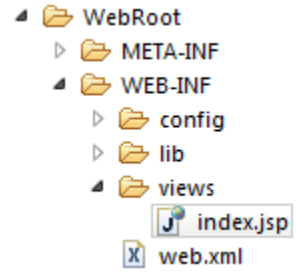
web.xml SiteController.java

```
1  package demo.controllers;
2  import com.shs.framework.aop.RouteMapping;
3  import com.shs.framework.core.BaseController;
4
5  @RouteMapping(controller="/")
6  public class SiteController extends BaseController {
7      public void index() {
8          success("hello, i am here!");
9      }
10 }
```

注意重启下服务器，打开浏览器，如下图所示



8. 建立前台页面，在 WEB-INF 下新建目录 views，注意，此处为约定，必须为 views，如图



在 SiteController 中转向到该页面，代码如下

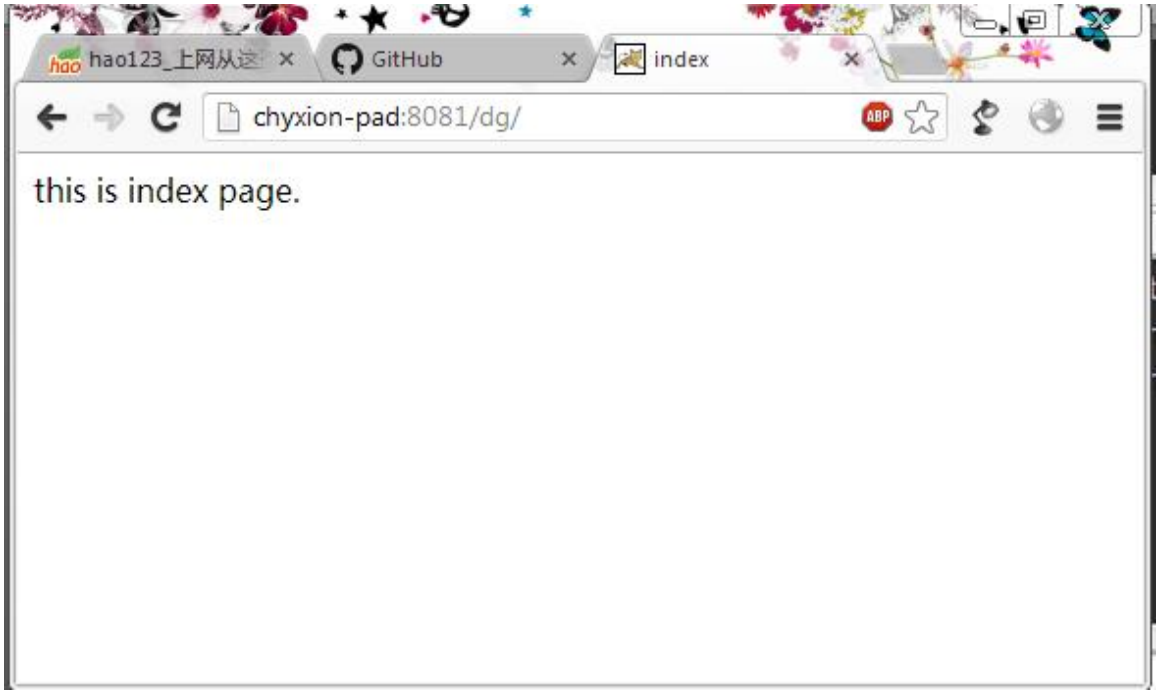
config.json SiteController.java

```
1  package demo.controllers;
2  import com.shs.framework.aop.RouteMapping;
3  import com.shs.framework.core.BaseController;
4
5  @RouteMapping(controller="/")
6  public class SiteController extends BaseController {
7      public void index() {
8          jsp("/index");
9      }
10 }
```

index.jsp

```
16   <meta http-equiv="expires" content="0">
17   <meta http-equiv="keywords" content="keyword1,keyword
18   <meta http-equiv="description" content="This is my pa
19   </head>
20   <body>
21     this is index page.
22   </body>
23 </html>
```

在 controller 中 index.jsp 后缀名，可写可不写，这样，访问/将转向到 index.jsp，如下图



9. 添加 ExtJS 内容，在 WebRoot 目下新建 assets 资源目录【这里无强制规定】，可随意更换其他名称，如下图，本例中使用 ExtJS 版本为 4.2。

在 index.jsp 中引用资源，如下图

```
<%--EXT资源--%>
<link rel="stylesheet" type="text/css" href="assets/commons/ext/resources/css/ext-all.css" />
<script type="text/javascript" src="assets/commons/ext/ext-all.js"></script>  Ext 资源
<%--中文包--%>
<script type="text/javascript" src="assets/commons/ext/locale/ext-lang-zh_CN.js"></script>
<script type="text/javascript">
    // 动态加载
    Ext.Loader.setConfig({enabled: true});
    Ext.Loader.setPath('Ext', 'assets/commons/ext/src');      全局配置
    Ext.Loader.setPath('Ext.ux', 'assets/commons/ext/ux');
    // 空白图表URL
    Ext.BLANK_IMAGE_URL = 'assets/commons/ext/resources/s.gif';
    // grid行编辑器文字
    Ext.grid.RowEditor.prototype.saveBtnText = '保存';
    Ext.grid.RowEditor.prototype.cancelBtnText = '取消';
    // Ext 4.2 bug
    Ext.tip.Tip.prototype.minWidth = 320;
</script>
<script type="text/javascript" src="assets/commons/js/commons.js"></script>
<link rel="stylesheet" type="text/css" href="assets/commons/css/styles.css" />
<script type="text/javascript" src="assets/app/app.js"></script>  主程序文件
</head>
<body>
  <%--消息提示--%>
  <div id="message-div" style="z-index: 30240;"></div>
```

编写 app.js 代码，如下图

index.jsp　app.js

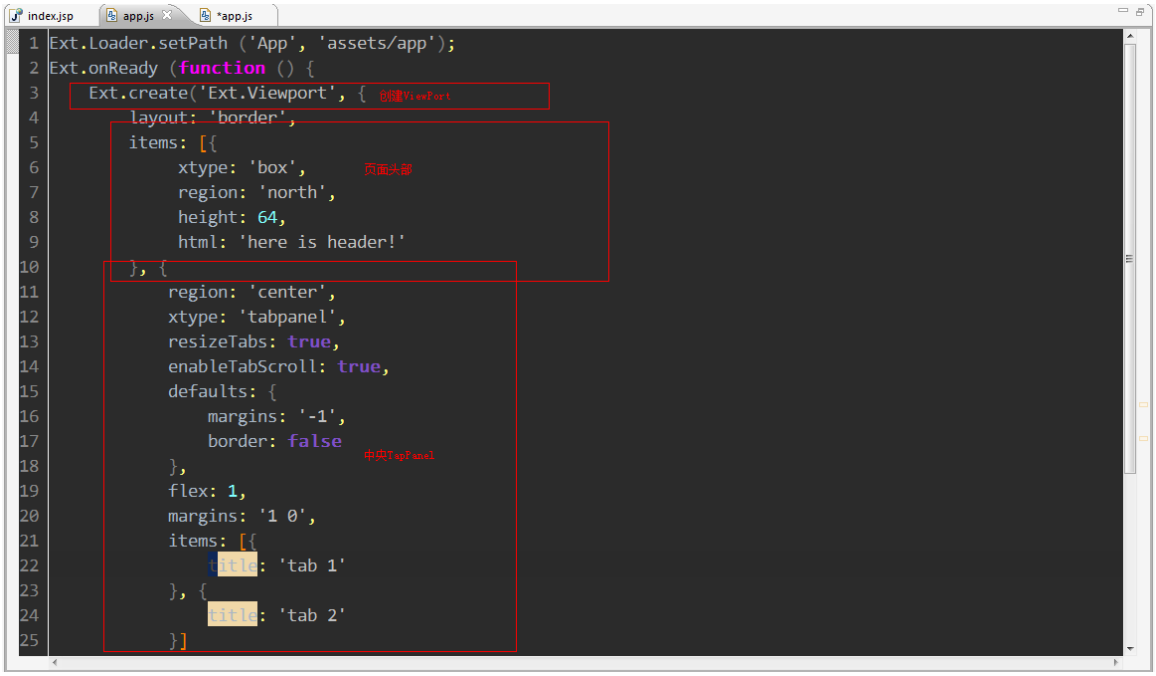
```
1 Ext.Loader.setPath ('App', 'assets/app');
2 Ext.onReady (function () {
3     Dialog.alert('hello, welcome to ExtJS!');
4 });
5
```

这里的Dialog.alert是commons.js中定义的方法，非ExtJS自带!

打开浏览器，可以看到如下效果


hao123_上网从这
GitHub
index
chyxion-pad:8081/dg/
提示
hello, welcome to ExtJS!
确定

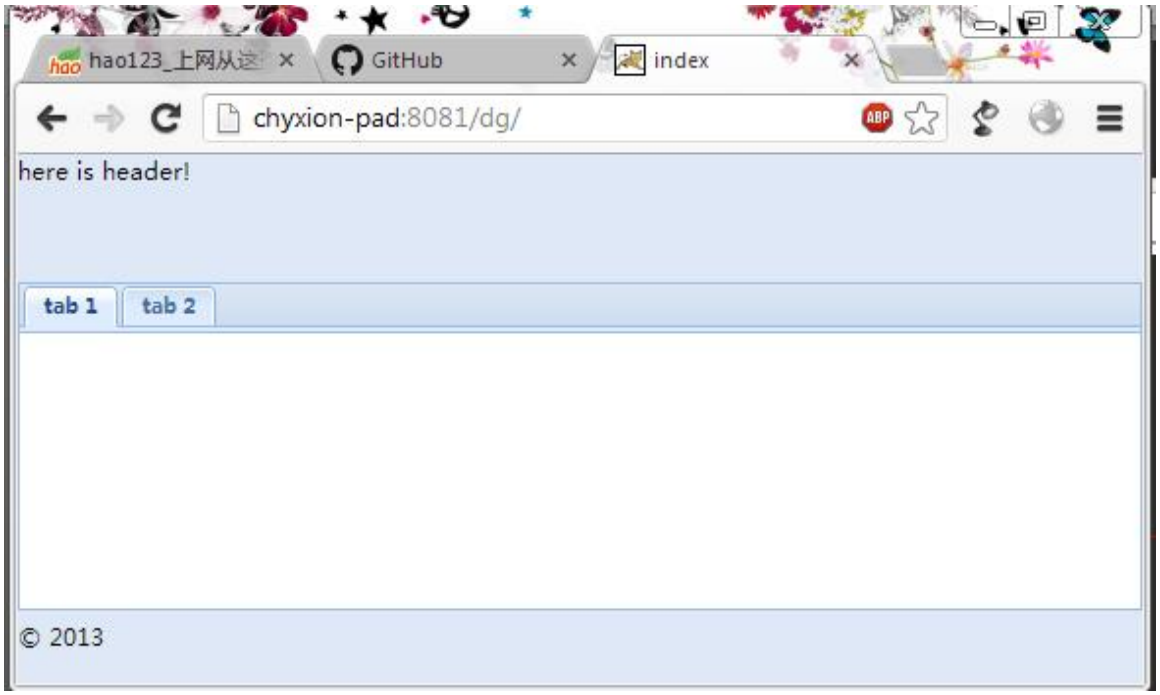
10. 始搭建主页面


index.jsp
app.js
*app.js
Ext.Loader.setPath ('App', 'assets/app');
Ext.onReady (function () {
Ext.create('Ext.Viewport', { 创建ViewPort
layout: 'border',
items: [{
xtype: 'box', 页面头部
region: 'north',
height: 64,
html: 'here is header!'
}, {
region: 'center',
xtype: 'tabpanel',
resizeTabs: true,
enableTabScroll: true,
defaults: {
margins: '-1',
border: false
}, 中央TapPanel
flex: 1,
margins: '1 0',
items: [{
title: 'tab 1'
}, {
title: 'tab 2'
}]

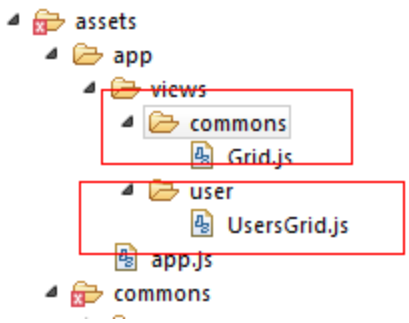
```
        },
        flex: 1,
        margins: '1 0',
        items: [{
            title: 'tab 1'
        }, {
            title: 'tab 2'
        }]
    }, {
        xtype: 'box',
        region: 'south',
        style: 'padding-top: 4px;',
        height: 36,
        html: '&#169; 2013 '
    }]
});
```

底部版权等等信息

刷新浏览器，如图



11. 增加 Grid 视图



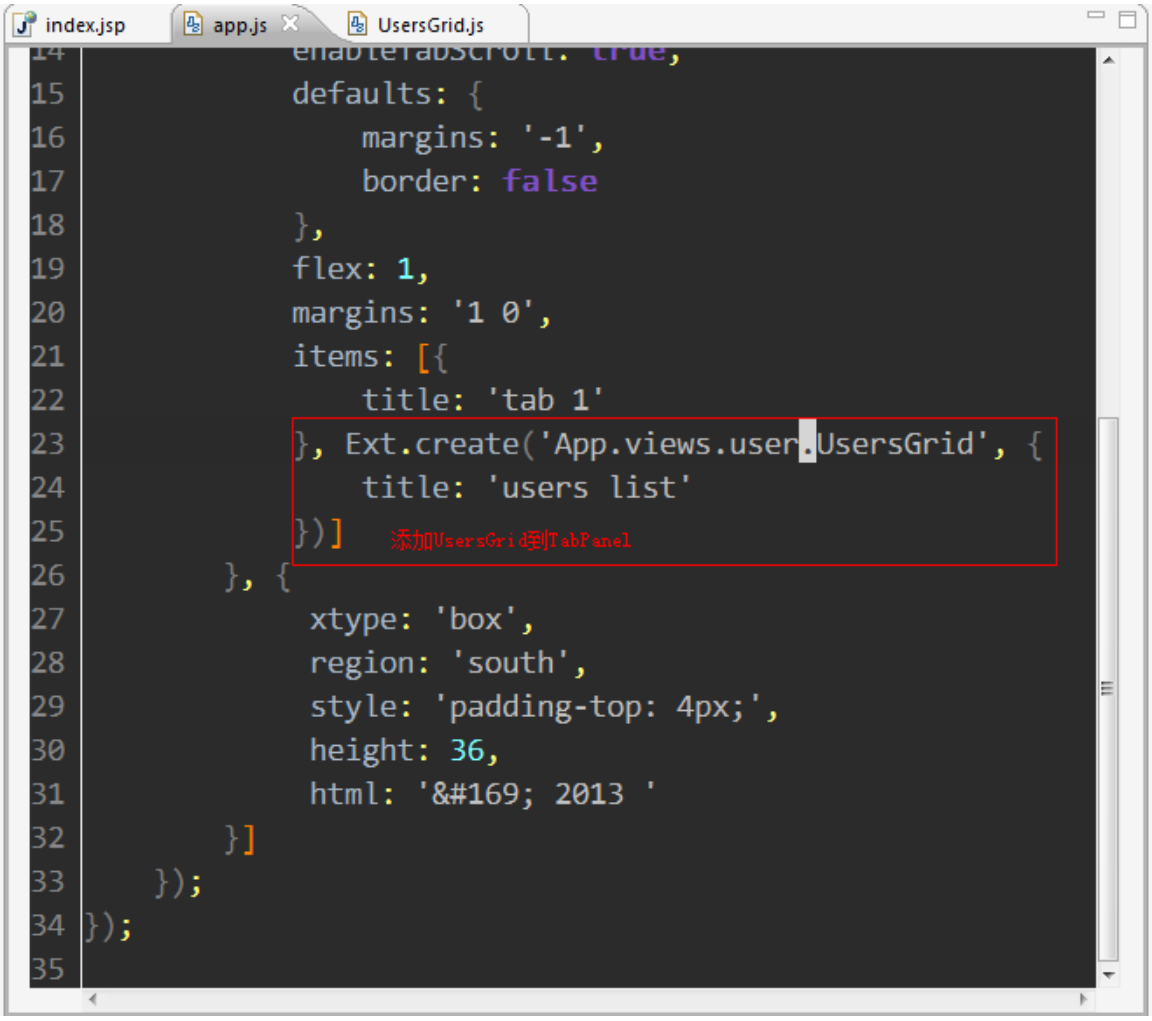
编写 UsersGrid 主体代码，如下图

UsersGrid.js

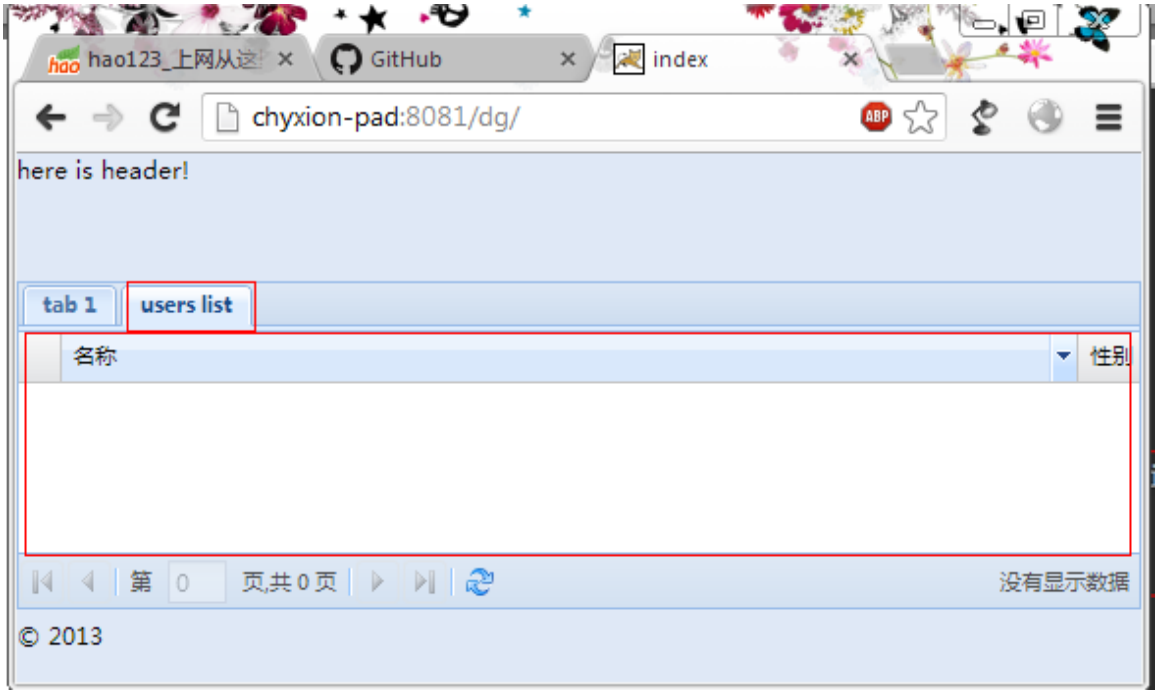
```
Ext.define ('App.views.user.UsersGrid', {
    extend: 'App.views.commons.Grid',
    paging: true,
    store: Store.create({
        autoLoad: false,
        pageSize: 99,
        url: 'user/list',
        fields: ['id', 'name', 'gender']
    }),
    columns: [{
        xtype: 'rownumberer'
    },{
        dataIndex: 'name',
        text: '名称',
        flex: 1
    },{
        dataIndex: 'gender',
        text: '性别',
        width: 32
    }]
});
```

禁止自动加载，为什么，因为后台没有数据返回

添加 grid 视图到首页面，代码如下

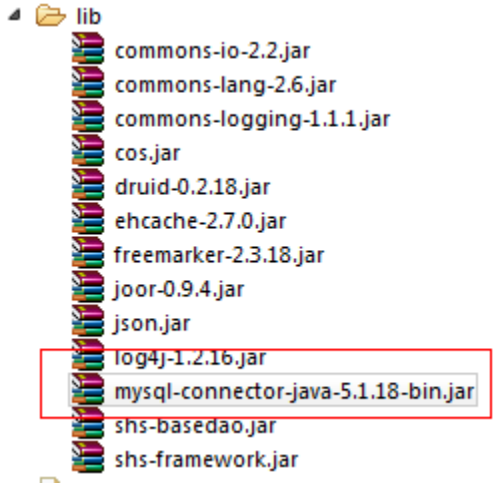

index.jsp
app.js
UsersGrid.js
defaults: {
margins: '-1',
border: false
},
flex: 1,
margins: '1 0',
items: [{
title: 'tab 1'
}, Ext.create('App.views.user.UsersGrid', {
title: 'users list'
})]
添加UsersGrid到TabPanel
}, {
xtype: 'box',
region: 'south',
style: 'padding-top: 4px;',
height: 36,
html: '© 2013 '
}]
});
});

打开浏览器，如下图所示

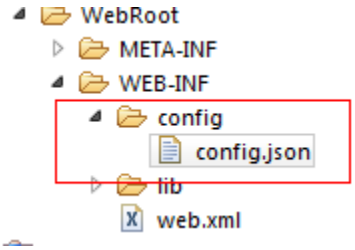


可见，grid 已经出现，只是无数据显示，接下来连接数据库，加载数据

12. 配置数据库连接，添加 jar 包



配置连接参数，在 WEB-INF 下建立文件 config/config.json



文件内容如下

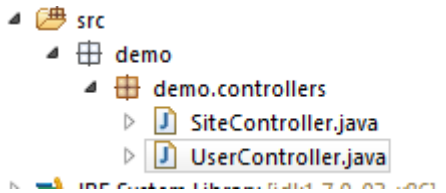
```
{
  // 数据源
  "database": {
    "driver": "com.mysql.jdbc.Driver",
    "url": " jdbc:mysql://chyxion-pad/demo",
    "userName": "root",
    "password": "0211",
    // 数据库方言
    "dialect": "MySQL",
    // 默认字符小写
    "lowercase":  true
  }
}
```

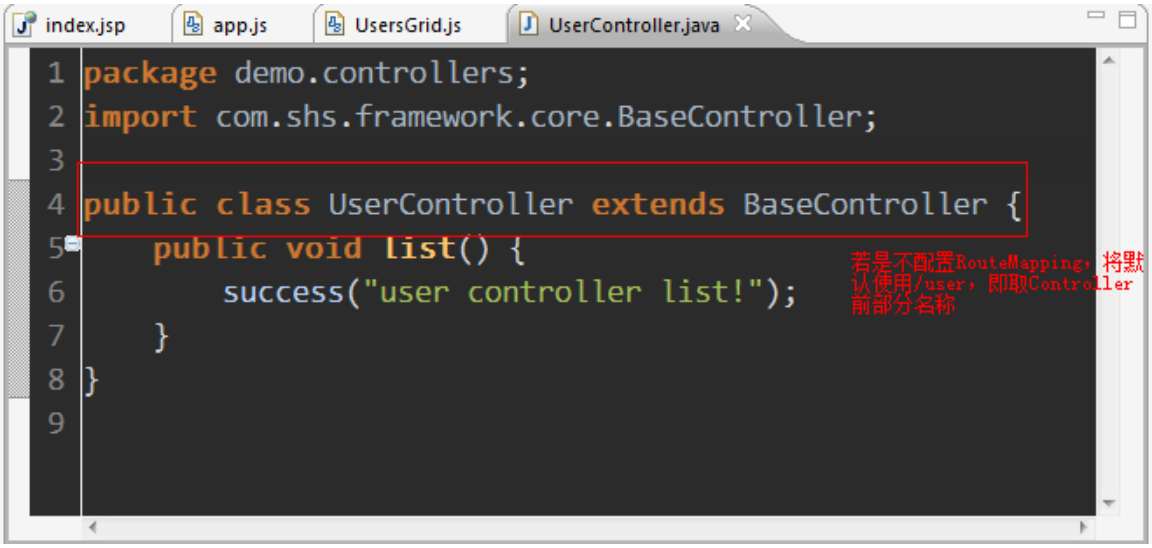
config.json

```
{
    // 数据源
    "database": {
        "driver": "com.mysql.jdbc.Driver",
        "url": " jdbc:mysql://chyxion-pad/demo",
        "userName": "root",
        "password": "0211",
        // 数据库方言
        "dialect": "MySQL",
        // 默认字符小写
        "lowercase": true
    }
}
```

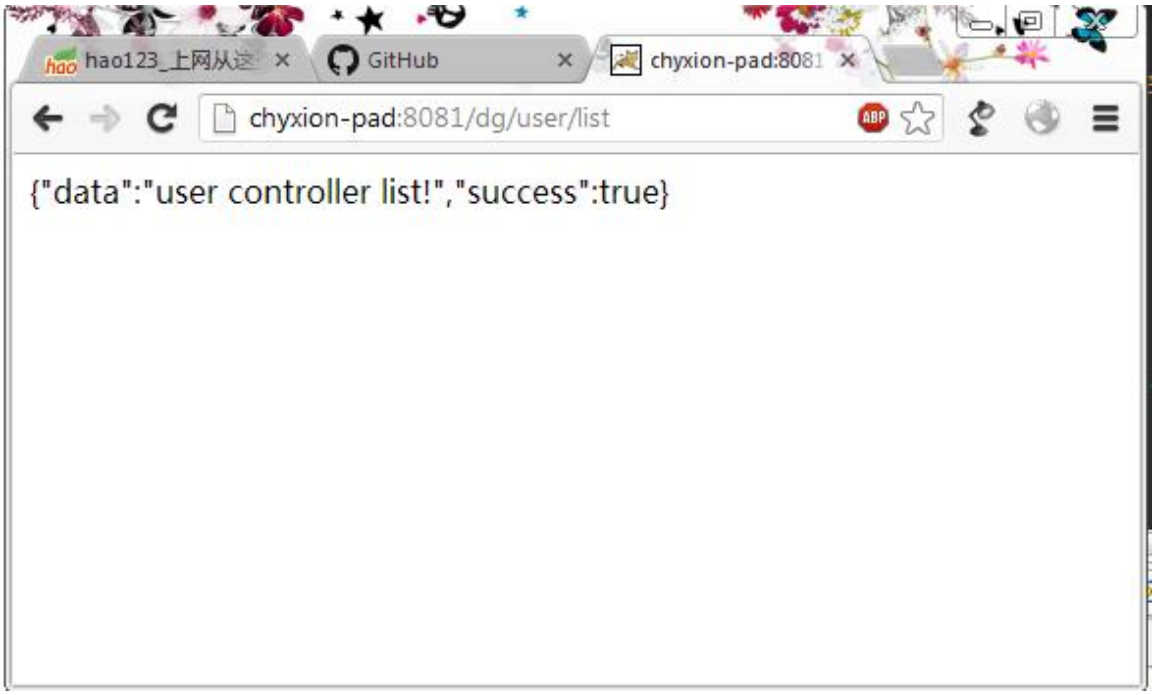
请注意，默认所有文件编码皆为 UTF-8

13. 新建 UserController，如下图

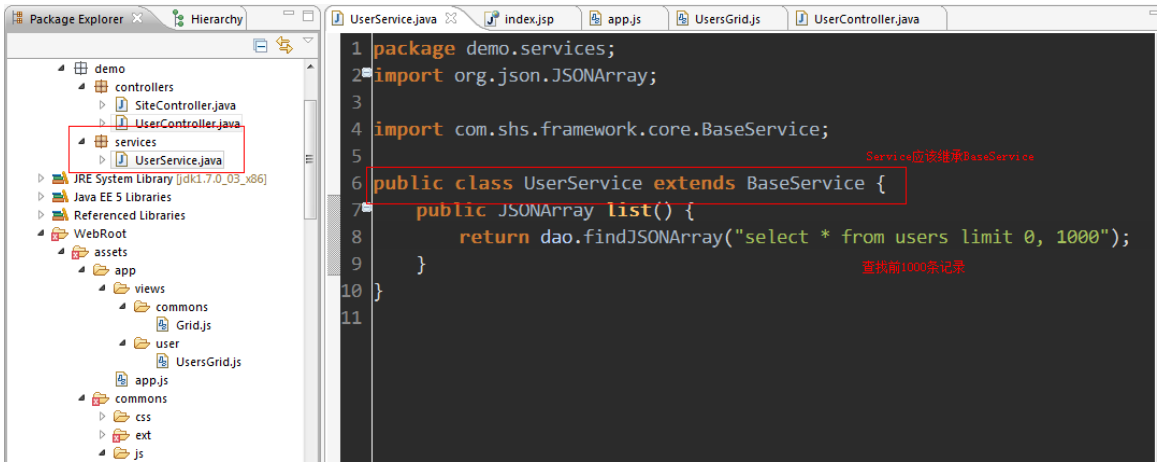




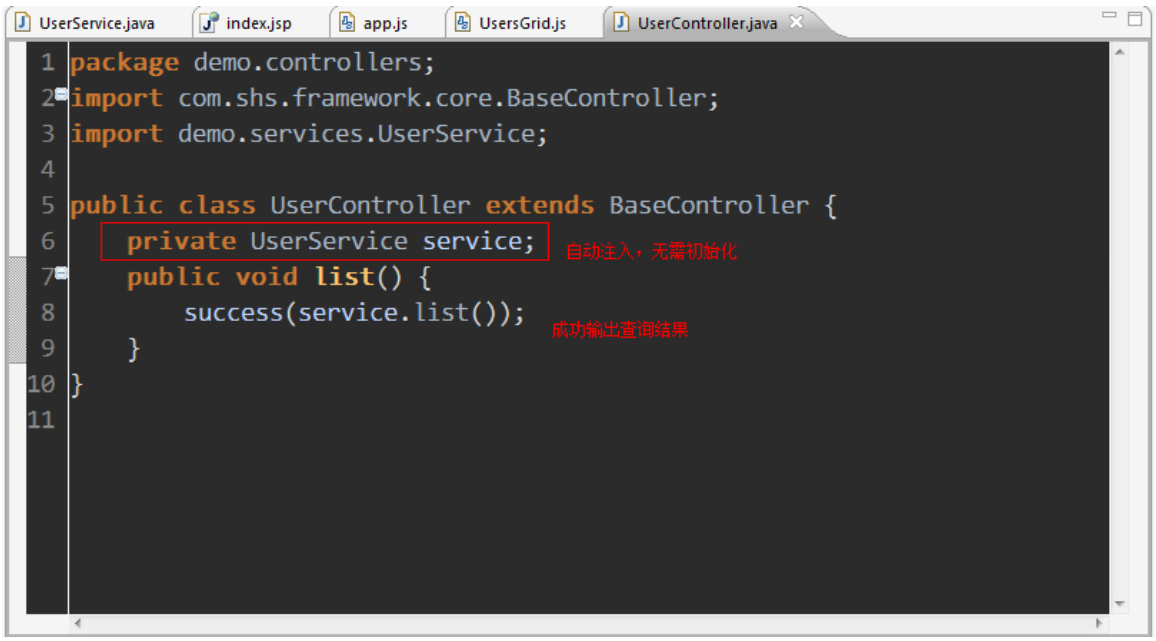
重启服务器，测试一下



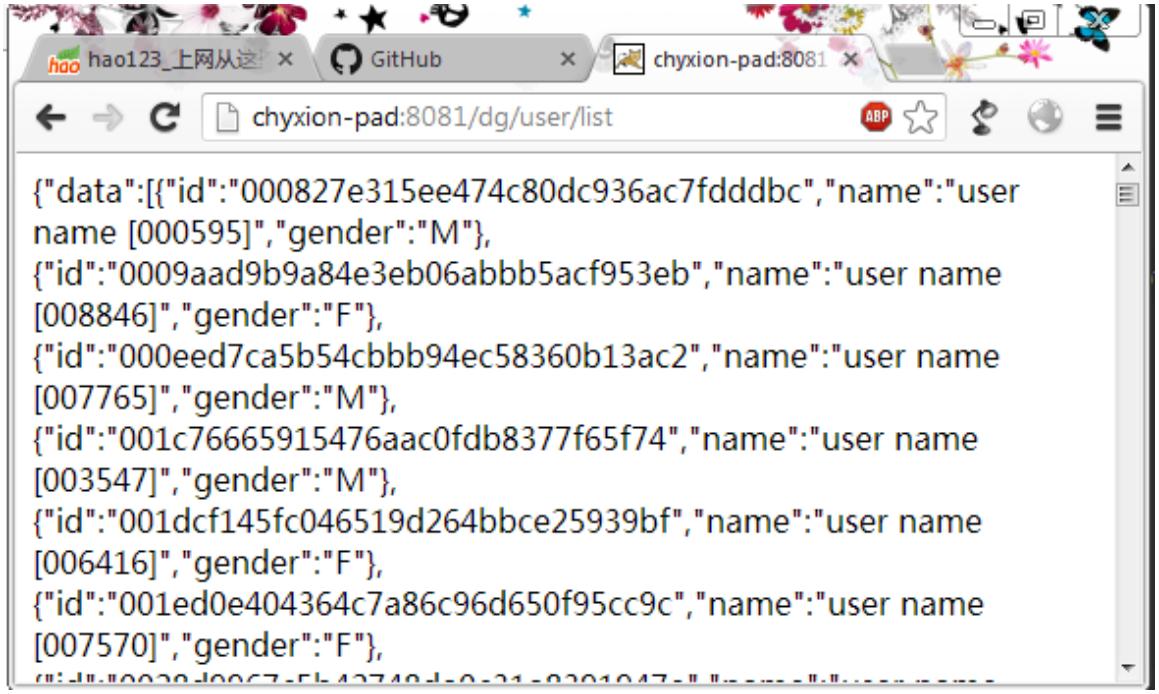
创建 UserService



在 UserController 中调用 UserService，如下图



重启服务，打开浏览器，如下图



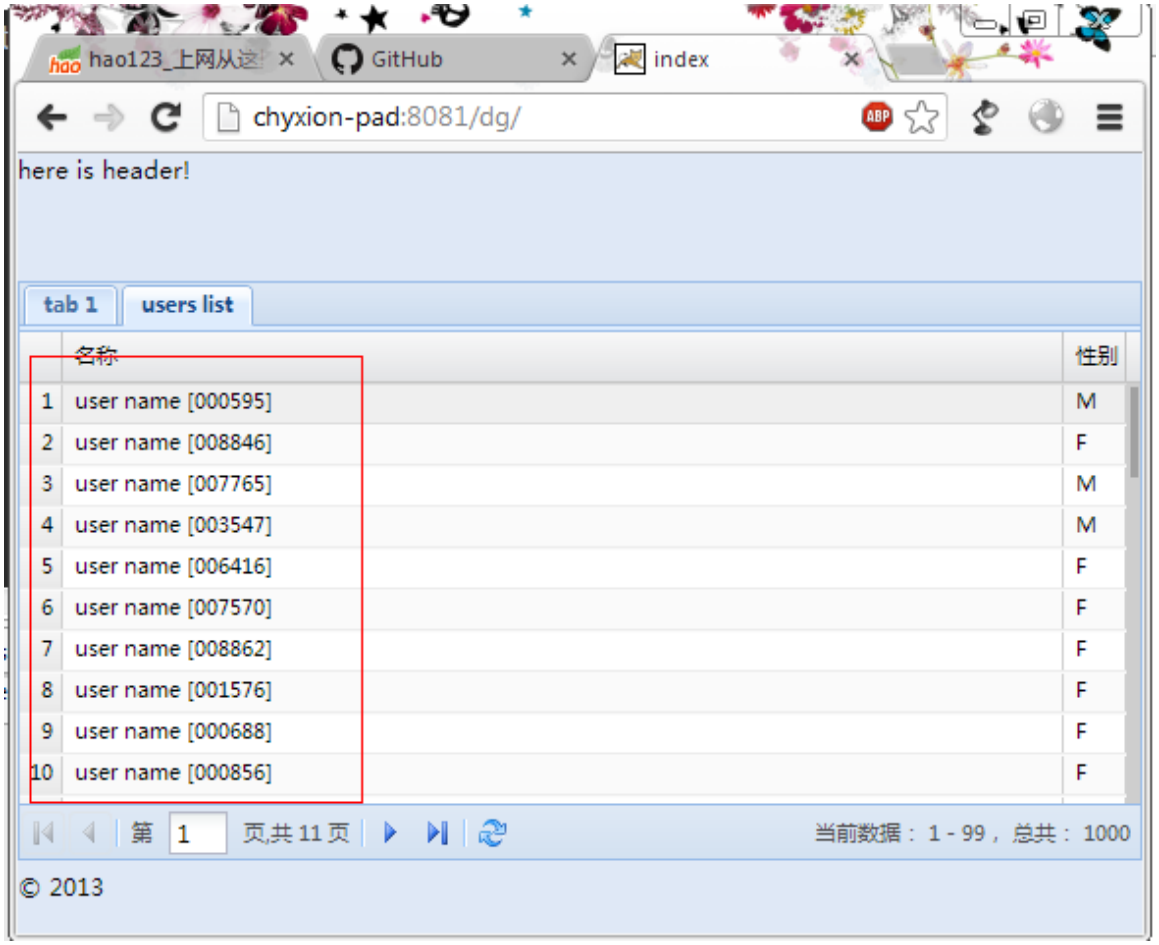
然后，将 UsersGrid 中 Store 设置为自动加载，如下图

UsersGrid.js

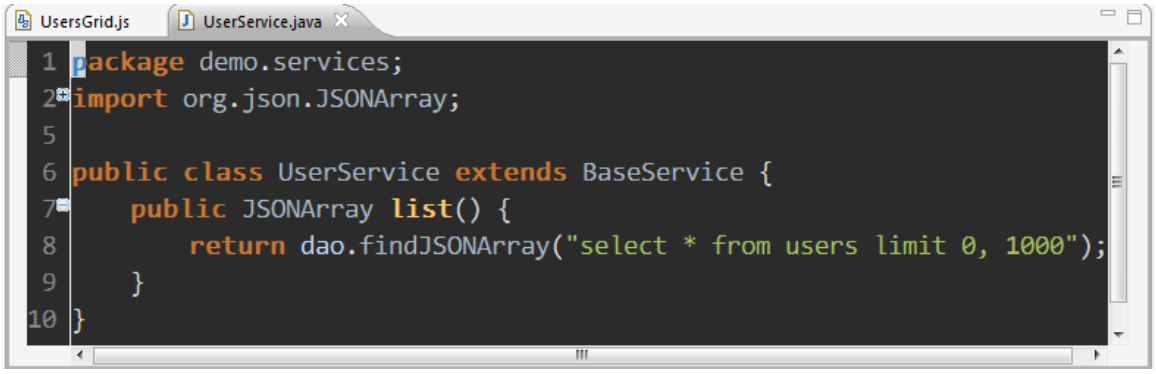
```
Ext.define ('App.views.user.UsersGrid', {
    extend: 'App.views.commons.Grid',
    paging: true,
    store: Store.create({
        autoLoad: true,
        pageSize: 99,
        url: 'user/list',
        fields: ['id', 'name', 'gender']
    }),
    columns: [{
        xtype: 'rownumberer'
    },{
        dataIndex: 'name',
        text: '名称',
        flex: 1
    },{
        dataIndex: 'gender',
        text: '性别',
        width: 32
    }]
});
```

修改为自动加载，删除本行也行，默认为自动加载

打开首页，可以看到，已经有数据



结论，我们后台代码是，



显然是不能分页的，因此，这里修改一下

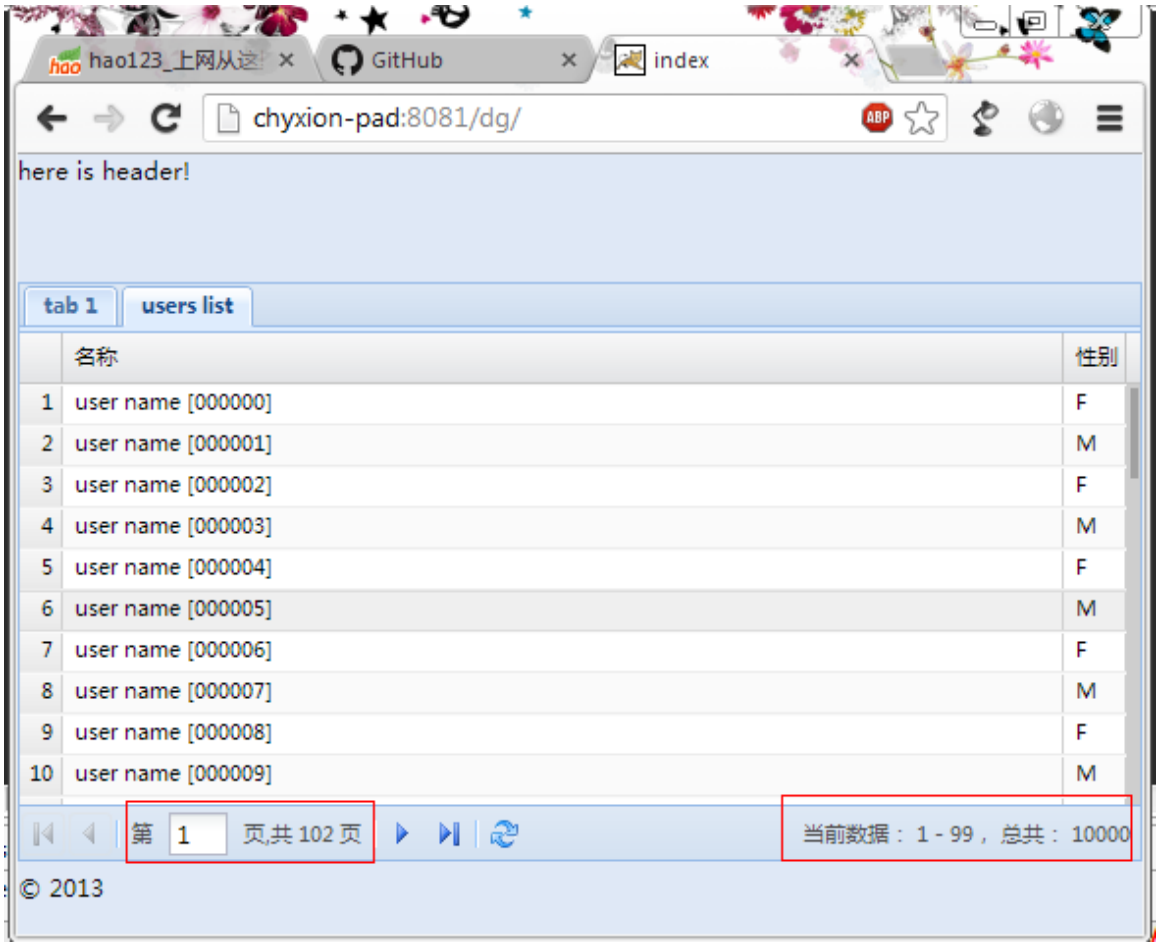
UsersGrid.js | UserService.java

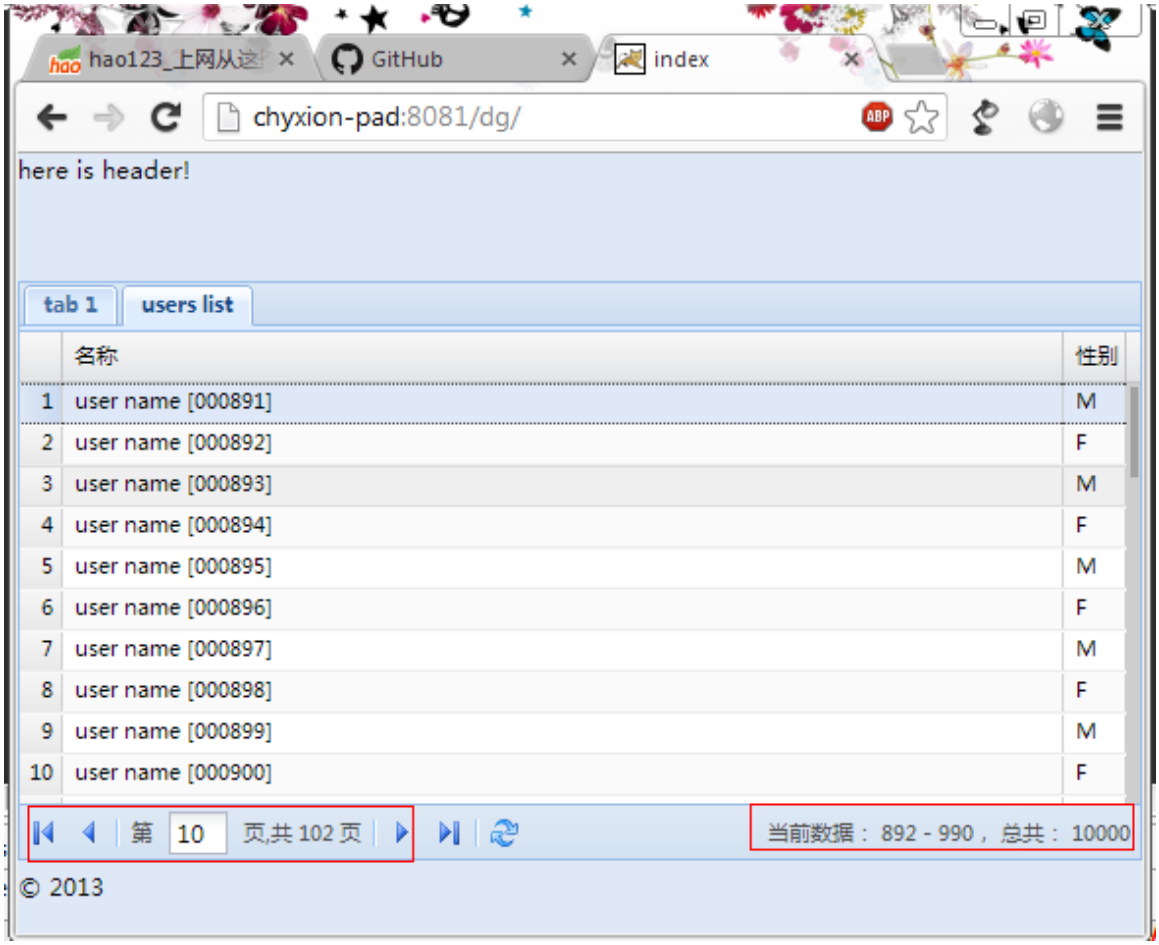
```java
package demo.services;
import com.shs.framework.core.BaseService;
import com.shs.framework.core.ExtStore;

public class UserService extends BaseService {
    public ExtStore list() {
        return new ExtStore(params) {
            @Override
            protected void run() throws Exception {
                setSQL("select id, name, gender from users");
                orderBy("name", ASC);
            }
        };
    }
}
```

必须传入，params在BaseService中定义

必须制定排序列，否则无法分页

打开浏览器，查看结果




hao123_上网从这
GitHub
index
chyxion-pad:8081/dg/
here is header!
tab 1
users list
名称
性别
1 user name [000891] M
2 user name [000892] F
3 user name [000893] M
4 user name [000894] F
5 user name [000895] M
6 user name [000896] F
7 user name [000897] M
8 user name [000898] F
9 user name [000899] M
10 user name [000900] F
第 10 页,共 102 页
当前数据： 892 - 990， 总共： 10000
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