Lab.3 – Web Development

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DDL: May. 19, 23:59

练习1

- 完成论文搜索主页面index.php，要求包含论文标题输入框、作者名输入框、会议名输入框与搜索按钮，输入任意多个字段后点击搜索按钮，即可将刚刚输入的字段通过get方式发送到result.php页面中。

练习1-示例

Homepage Example

Paper Title:

Author Name:

Conference Name:

Submit

练习2

- 完成搜索结果页面result.php，读取get方式传递的3个字段，若某一字段有对应数据，则放入solr中进行检索，将前十条结果显示出来。本次作业可以不考虑翻页问题，只有第一页前十条结果即可，final project中需要添加翻页功能。
- 每个学者名字需要添加超链接，可跳转到author.php页面，并通过get方式将学者ID传递过去
- 对每个字段分别进行检索，且只对有传递具体值的字段进行检索即可。两个例子如下：
  - 当只输入了Paper Title之后点击Submit，则此时只需要返回一个表格包含Paper Title返回结果即可。
  - 若输入了Author Name和Conference Name，则针对这两个字段分别检索，最终显示两个表格，分别是对Author Name和Conference Name的搜索结果

练习2-示例（搜索Title和AuthorName）

Search Page Example

Search for Title: data mining

Title	Authors	Conference
Data mining Data Mining	david l olson;	
Data Mining Data Mining	nasrullah memon;	
Data mining mine safety data	p coleman; s dessureault; a sinuhaji;	Mining Engineering
Application of Data Mining In Marketing Application of Data Mining In Marketing Application of Data Mining In Marketing Application of Data Mining In Marketing	anver muhammed;	
Data Mining and Text Mining	pier luca lanzi;	
Exploratory Data Mining and Data Cleaning:Exploratory Data Mining and Data Cleaning	alan f karr;	Journal of the American Statistical Association
Introduction of Data mining and an Analysis of Data mining Techniques	shah neha k;	International Journal of Approximate Reasoning
Intelligent Data Mining Techniques For Coal Mining Data	kesari verma; ravi k jade; ligendra kumar verma;	
Intelligent Data Mining Techniques For Coal Mining Data	ravi k jade; ligendra kumar verma; kesari verma;	International journal of engineering research and technology
Oracle Data Mining - Data Mining in the Database Environment	boriana l milenova; marcos m campos; denis mukhin; robert haberstroh; margaret taft; charles e h berger; ramkumar krishnan; joseph s yarmus; shiby thomas; ari mozes; pablo tamayo; mark g kelly; susie stephens; mark f hornick; jacek myczkowsji;	

Search for Author Name: jiawei han

Title	Authors	Conference
2014 IEEE 35th Real-Time Systems Symposium	shiguang wang; hengchang liu; jing gao; jiawei han; yan gao; lance m kaplan; tarek abdelzaher; qi li; xue liu; lu su; shaohan hu;	
A SURVEY OF DATA MINING METHODS FOR SENSOR NETWORK BUG DIAGNOSIS	tarek abdelzaher; jiawei han;	
On the Power of Query-Independent Compilation	jiawei han;	
3 - Data Preprocessing	jiawei han; micheline kamber; jian pei;	
Fault-Tolerant Frequent Pattern Mining: Problems and Challenges	jiawei han; anthony k h tung; jian pei;	
Community Distribution Outlier Detection in Heterogeneous Information Networks	jiawei han; jing gao; manish gupta;	
Exploring and inferring user–user pseudo-friendship for sentiment analysis with heterogeneous networks	jiawei han; hongning wang; hongbo deng; yue lu; heng ji; hao li;	
A variance minimization criterion to active learning on graphs	jiawei han; ming ji;	
ABSTRACT Trust Analysis with Clustering	jiawei han; manish gupta; yizhou sun;	
Graph-based Classification on Heterogeneous Information Networks	jiawei han; marina danilevsky; yizhou sun; ming ji;	

练习3

- 完成学者页面author.php，读取get方式传递的学者ID，放入mysql中搜索学者名称、主要机构名称（即发文章时署名最多的机构）以及论文信息，并将论文列表显示出来。

- 注意每篇论文的author信息要注意按作者次序(AuthorSequenceNumber)排列。

- 每个author名字需要添加超链接，再次跳转到author.php页面，并通过get方式将该学者ID传递过去。

练习3-示例

Author Page Example

Name: shiguang wang
Affiliation: university of illinois at urbana champaign

Title	Authors	Conference
Scalable social sensing of interdependent phenomena	tarek abdelzaher; shen li; lance m kaplan; shiguang wang; lu su; shaohan hu; tanvir amin; shuochao yao; hongwei wang;	Information Processing in Sensor Networks
Efficient 3G budget utilization in mobile participatory sensing applications	tarek abdelzaher; pan hui; shiguang wang; shaohan hu; zhiheng xie; hengchang liu; wei zheng;	International Conference on Computer Communications
Experiences with eNav: a low-power vehicular navigation system	tarek abdelzaher; md tanvir al amin; chenji pan; siyu gu; romit roy choudhury; shen li; suman nath; shiguang wang; lu su; shaohan hu; hengchang liu;	Ubiquitous Computing
Poster abstract: information-maximizing data collection in social sensing using named-data	ajith herga; tarek abdelzaher; will dron; santhosh gajendran; ramesh govindan; shen li; shiguang wang; abhishek sreenath; john m hancock; chethan suresh; hengchang liu; alice leung; sachin kulkarni;	Information Processing in Sensor Networks
The Information Funnel: Exploiting Named Data for Information-Maximizing Data Collection	ajith herga; tarek abdelzaher; will dron; santhosh gajendran; ramesh govindan; jane hancock; shen li; shiguang wang; abhishek sreenath; chethan suresh; hengchang liu; alice leung; santosh kulkarni; hongwei wang;	Distributed Computing in Sensor Systems
WattValet: Heterogenous Energy Storage Management in Data Centers for Improved Power Capping	tarek abdelzaher; chenji pan; siyu gu; shen li; shiguang wang; shaohan huneycutt;	International Conference on Autonomic Computing
Poster abstract: eNav: a smartphone-based energy efficient vehicular navigation system	chenji pan; siyu gu; romit roy choudhury; shen li; suman nath; shiguang wang; lu su; shaohan hu; tanvir amin; hengchang liu; tarek abdelzaher;	Information Processing in Sensor Networks
Proteus: Power Proportional Memory Cache Cluster in Data Centers	tarek abdelzaher; fan yang; shen li; shiguang wang; fatemeh saremi; shaohan hu;	International Conference on Distributed Computing Systems
Information-maximizing caching in Ad Hoc networks with named data networking	tarek abdelzaher; will dron; ramesh govindan; shiguang wang; john hancock; alice leung; md yusuf sarwar uddin;	
WOHA: Deadline-Aware Map-Reduce Workflow Scheduling Framework over Hadoop Clusters	tarek abdelzaher; shen li; shiguang wang; indranil gupta; lu su; shaohan hu; richard pace;	International Conference on Distributed Computing Systems
2014 IEEE 35th Real-Time Systems Symposium	tarek abdelzaher; qi li; lance m kaplan; jiawei han; shiguang wang; xue liu; yan gao; lu su; shaohan hu; hengchang liu; jing gao;	
Temperature aware power allocation: An optimization framework and case studies	maria kihl; tarek abdelzaher; anders robertsson; shen li; shiguang wang;	
Investigations on GeO Disproportionation Using X-ray Photoelectron Spectroscopy	han liu; kosuke nagashio; akira toriumi; shiguang wang; tomonori nishimura; kiyoshi kita;	
eNav: Smartphone-based Energy Efficient Location Sensing for Low-Power Vehicular Navigation	tarek abdelzaher; md tanvir al amin; chenji pan; siyu gu; romit roy choudhury; shen li; suman nath; shiguang wang; lu su; shaohan hu; hengchang liu;	
Trends in land surface evapotranspiration across China with remotely sensed NDVI and climatological data for 1981�2010	songnian hu; zhenhua lin; shiguang wang; xingguo mo; s liu;	
Sustainable Computing: Informatics and Systems	maria kihl; anders robertsson; shen li; shiguang wang; tarek abdelzaher;	
Data Extrapolation in Social Sensing for Disaster Response	amotz barnoy; mudhakar srivatsa; tarek abdelzaher; raman ganti; chenji pan; ramesh govindan; siyu gu; shen li; shiguang wang; peter terlecky; charu c aggarwal; lu su; shaohan hu; tanvir amin; hengchang liu; dong wang;	Distributed Computing in Sensor Systems
Towards Cyber-Physical Systems in Social Spaces: The Data Reliability Challenge	tarek abdelzaher; lance m kaplan; shiguang wang; lu su; dong wang;	Real-Time Systems Symposium

其他说明

- 3个页面的示例代码都已经给出，但是每个文件都只给了整体框架和一部分功能的代码，剩余部分需要同学们自己填充完毕。

- 已经给出的代码仍需要一些修改，尤其是和mysql、solr连接的部分，需要各位同学根据自己的mysql以及solr的连接ip、端口以及各个字段的命名来进行调整。

- 几次课程的lecture notes后来有一定修改，修复了一些bug，请各位同学从课程网站下载最新版本的ppt进行阅读。

- 网页显示效果不需要局限于实例中给出的形式，同时我们也希望大家能够更多的尝试对网站页面进行美化。