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Dynamic Web Site for Annotated Research LINKS

Katie M. Miller
Computer Science Seminar



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Assignment

- A student resource to index research web sites
 - Project Advisor: Cam Tracy
 - To be utilized by various departments
 - Maintained by the library



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Goals

- Build/Design database
- Create page skeletons
- Create administration area
- Build a search engine
- Create a means of ratings for the sites
- Build using the Christian Studies department as the "test pages"



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Tools

- Database Creation - MS Access
- HTML Creation - DreamWeaver UltraDev
- ColdFusion Creation - ColdFusion Studio
 - ColdFusion Application Studio
- Web Server - Personal Web Server
























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Database

	Create table in Design view		Subject4
	Create table by using wizard		Subject4Sites
	Create table by entering data		Subject5
	Comments		Subject5Sites
	Departments		Suggestions
	Editors		Types
	Ratings		
	SiteRatings		
	Sites		
	Subject1		
	Subject1Sites		
	Subject2		
	Subject2Sites		
	Subject3		
	Subject3Sites		



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Table Example

	Field Name	Data Type	D
🔑	SiteID	AutoNumber	Primary key
	SiteName	Text	Text name; will be searchable
	SiteURL	Hyperlink	
	SiteDescription	Memo	Annotations
	SiteKeywords	Memo	Keywords; to be searched
	EditorID	Number	foreign key to editors
	DeptID	Number	foreign key to departments
▶	SiteTimeSubmitted	Text	
Field Properties			



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Administration Area

- Limited number of “supereditors”
 - Review all requests
 - Can create new users
 - Can create subject categories
 - Can create type categories



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Administration Area

- Larger number of “editors”
 - Will give site suggestions
 - Ability to add sites
 - Only can change “their” sites
 - Ability to rank sites
 - Edit personal profile



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```
<cfif IsNumeric(#session.auth.editorid#)>
<CFQUERY NAME="Gettypes" DATASOURCE="repository">
SELECT TypeID, TypeName, TypeDescription
FROM Types
</CFQUERY>
<cfquery name="geteditor" datasource="repository">
SELECT EditorID, DeptID, EditorName
FROM editors
Where EditorID = #session.auth.editorID#
</cfquery>
<html>
<head>
    <title> Submit New Website to Repository</title>
</head>
<cfform action="addsiteaction.cfm" method="POST">
<body>
```



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Main Page

- To be used as the research tool
- Multiple ways to find sites
 - Search by keyword
 - View by site type
 - View by subject
 - View by rating
 - View by editor
 - View newest sites



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```
</head>
```

```
<body bgcolor="#808080" alink="Yellow">
```

```
<h1 align="center">Research Repository</h1>
```

```
<table width="80%" height="220" border="2" cellpadding="1" cellspacing="2" bgcolor="#C0C0C0" align="center">
```

```
  <tr align="center">
```

```
    <td colspan="2" valign="middle"><form action="searchaction.cfm" method="post">
```

```
      <h4 align="center">Please enter keywords to  
      search for:
```

```
      <input type="text" name="criteria">
```

```
      <input type="submit" value="search">
```

```
    </h4>
```

```
</form>
```

```
</td>
```



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Obstacles

- Multiple layers for subjects
- Rating system
- Search engine



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Future Work

- Skeleton
- Ability for multiple departments to utilize
- Web Development Agent
- Self-sufficient



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What would I do differently?

- Include validation as I created the pages
- Start with the ranking and subjects



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Lessons Learned

- Don't get caught up on one page
- Manuals are very useful!
- Trying to think for other people is difficult!
- Talk the project out a little more