

# Discovery Projects

In the following projects, you will continue to design and develop the Chinese Zodiac site that you began in Chapter 1. All files for the Chinese Zodiac site will be saved in a directory named ChineseZodiac in the base Web folder on the server.

The following projects will add interactivity to the Chinese Zodiac Web page template by displaying alternative content in the dynamic content section of the index.php file when the user clicks a button or activates a hyperlink.



## Discovery Project 4-1

In your text editor, create new include files with a placeholder for page content for each of the pages identified by the buttons and text links. (The inc\_home\_page.php file has already been created.) The contents of the pages will be populated in later projects.

Target Page	Include Filenames	Page Content
site_layout	inc_site_layout.php	[Insert site layout content here]
control_structures	inc_control_structures.php	[Insert control structure content here]
string_functions	inc_string_functions.php	[Insert string function content here]
web_forms	inc_web_forms.php	[Insert Web forms content here]
midterm_assessment	inc_midterm_assessment.php	[Insert midterm assessment content here]
state_information	inc_state_information.php	[Insert state information content here]
user_templates	inc_user_templates.php	[Insert user template content here]
final_project	inc_final_project.php	[Insert final project content here]

**Table 4-3** Pages for Discovery Project 4-1

Save the files and upload them to the Includes folder in the ChineseZodiac folder on the server.



## Discovery Project 4-2

1. Reopen the **inc\_button\_nav.php** file created in Discovery Project 2-2. The file is in the Includes folder in the ChineseZodiac folder. Insert the code to convert the first of eight button images to hyperlinks that display the destination

file in the dynamic data section of the Chinese Zodiac Web page template (index.php).

```
<a href = "index.php?page=home_page">
</a><br />
```

2. Continue to add code for the other seven button images targeting the content to the dynamic data section. Use the appropriate "Target Page" value from Table 4-3 as the value of each page parameter.
3. Save the file and upload it to the Web server.



### Discovery Project 4-3

1. Reopen the **inc\_text\_links.php** file created in Discovery Project 2-2 in your text editor. The file is stored in the Includes folder in the ChineseZodiac folder. Modify the first text hyperlink to display the destination file in the dynamic data section of the Chinese Zodiac Web page template (index.php), as shown in the following code:
 

```
<a href = "index.php?page=home_page">Home Page</a>
```
2. Continue including additional code for the other seven hyperlinks in the text links bar, targeting the content to the dynamic data section. Use the appropriate "Target Page" value from Table 4-3 as the value of each page parameter.
3. Save the file and upload it to the Web server.



### Discovery Project 4-4

1. Reopen the **index.php** file created in Discovery Project 2-2 in your text editor. The file is in the ChineseZodiac folder. Replace the script section for the dynamic content section of the Web page template.
 

```
if (isset($_GET['page'])) {
    switch ($_GET['page']) {
        case 'site_layout':
            include('Includes/inc_site_layout.php');
            break;
        case 'control_structures':
            include('Includes/' .
                'inc_control_structures.php');
            break;
```



```

        case 'string_functions':
            include('Includes/' .
                'inc_string_functions.php');
            break;
        case 'web_forms':
            include('Includes/inc_web_forms.php');
            break;
        case 'midterm_assessment':
            include('Includes/' .
                'inc_midterm_assessment.php');
            break;
        case 'state_information':
            include('Includes/' .
                'inc_state_information.php');
            break;
        case 'user_templates':
            include('Includes/' .
                'inc_user_templates.php');
            break;
        case 'final_project':
            include('Includes/' .
                'inc_final_project.php');
            break;
        case 'home_page': // A value of
                        // 'home_page' means
                        // to display the
                        // default page
        default:
            include('Includes/inc_home.php');
            break;
    }
}
else // If no button has been selected, then display
    // the default page
    include('Includes/inc_home.php');

```

2. Save the file and upload it to the ChineseZodiac folder on the Web server.
3. Open the index.php page in the Web browser by entering the following URL: *http://<yourserver>/ChineseZodiac/index.php*.
4. Verify that the content of the dynamic content section changes each time you click a button or activate a text hyperlink.
5. Close your Web browser window.



## Discovery Project 4-5

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Reopen **inc\_home\_links\_bar.php** (created in Discovery Project 3-3) in your text editor and enclose the two labels in `<a>` tags. The value for the `href` attribute of both `<a>` tags will be `index.php`, but each page will have different URL tokens to specify the information that should be displayed. You will continue to use the page URL token to specify the home page by using the value `home_page`. Additionally, you will use the section URL token with different values to determine which of the two versions of the home page to display: either the one with the PHP information (`section=php`) or the one with the Chinese zodiac information (`section=zodiac`). For the PHP text link, the `href` value of the `<a>` tag should be `index.php?page=home_page&section=php`. For the Chinese zodiac text link, the `href` value of the `<a>` tag should be `index.php?page=home_page&section=zodiac`. Save `inc_home_links_bar.php` and upload the file to the Includes folder in the ChineseZodiac folder on the server.

In your text editor, reopen the **inc\_home.php** document that you created in Discovery Project 2-2. Replace the placeholder [Insert home page content here] with a PHP code section that includes `inc_home_links_bar.php` at the top of the file.

At the end of the PHP code section, add the following code:

```
if (isset($_GET['section'])) {
    switch ($_GET['section']) {
        case 'zodiac':
            include('Includes/inc_chinese_zodiac.php');
            break;
        case 'php': // A value of 'php' means
                    // to display the default page
        default:
            include('Includes/inc_php_info.php');
            break;
    }
}
else // If no section has been selected, then display the
     // default page
    include('Includes/inc_php_info.php');
```

Save the file as `inc_home.php` and upload it to the Includes folder in the ChineseZodiac folder on the server.

Open `http://<yourserver>/ChineseZodiac/index.php` in the browser and test each button and text hyperlink to verify that the content of the dynamic data section changes when a button or text link is clicked.