









# **Designer Palms of Texas**

**Virtual 3D Landscape**

**User Manual**

## Basic view of the site:

Left portion:	Right portion:
	<p data-bbox="857 415 1052 447">Selected Item</p> <input data-bbox="857 485 1101 531" type="text"/> <p data-bbox="857 573 982 604"><b>Scaling:</b></p>  <p data-bbox="857 730 990 798"><b>Position Change:</b></p>  <p data-bbox="857 919 966 951"><b>Delete:</b></p>  <p data-bbox="857 1081 1047 1148"><b>Take Screenshot:</b></p>  <p data-bbox="857 1276 1055 1339">[ The screenshot will be saved in the desktop ]</p>
Figure1.1: Left portion of the site	Figure1.2: Right portion of the site

<b>Middle portion:</b>	<b>Bottom portion:</b>
	Change Landscape <input type="text"/> <input type="button" value="Browse..."/>
Figure1.3: Middle portion of the site	Figure1.4: Bottom portion of the site

## 2. Description:

### Left portion:

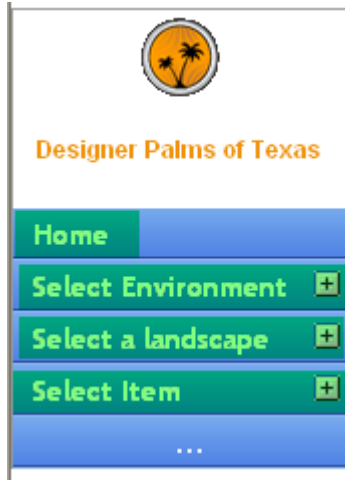


Figure2.1: Middle portion of the site

Actually, this part is a type of menu which is used to customize the image of the middle portion of the side. By default, it remains at home. We can see also 3 others options in this menu (all options are highlighted with green color).

These options are:

1. Select Environment
2. Select a landscape
3. Select items

Whenever users click these options they can see another drop down menu with some options.

Select Environment:



This menu will appear when users click the option "Select Environment".

Now we can see two option with two radio button (in this figure "Single" is selected). If user select single they can see image at the middle portion like the following figure:



If users select "Panorama" they can see a image at the middle portion like the following figure:



There is some difference between the single image and the panorama image. This type of image is very large image and cannot be seen the full version in the screen. But user can see the full image by clicking on the image and moving the mouse cursor. Actually, in that case this image will get a 3d flavor.

## 2. Select a landscape:



This menu will appear when users click the option "Select a landscape". In this menu some image will be appeared depending on which radio button the users had selected. If users select "Single" then some normal images will be appeared. On the other hand, if they select "Panorama" then some panorama type image will be appeared in this menu bar. After that if they click any image of this menu then the full size image of that picture will be shown in the middle part.

### 3. Select items:

This option can be used to select a 3d object to decorate the image of the middle portion. User can select a 3d object from this option and place them anywhere in the image of the middle portion. User can select their desired object from the menu like the following figure:



When user clicks an object from the menu to place them in their desired image the object will appeared in the center of that image like the following:



When the users take their mouse cursor over that object, the color will be changed into green and after click on that object an arrow sign will be appeared at the top of that selected object like the following figure:



**\*\*\* Only when the object is selected by click, the blue arrow sign will be appeared. With out this sign the object cannot be scaled.**

Now, the object is ready to be moved anywhere in range of the image of middle portion. Now, users can move that object anywhere in between the image by dragging and dropping with the help of the mouse. In this case, people have to click the left button of the mouse. **User can also rotate the object on their axis by clicking and dragging right button of the mouse.** It can also be resized and moved with the help of the right portion menu which will be described later. Users can also decorate panorama image in this way.

In the following figure the environment has been decorated with the help of some objects:



**Right portion:**

This portion is used to resize the object, move the object, delete the object and taking the screen shot. The menu is looked like the following figure:

Selected Item

obj0013

**Scaling:**



**Position Change:**



**Delete:**



**Take Screenshot:**



[ The screenshot will be saved in the desktop ]

The options available in this menu are:

1. Selected item. (First option with a text box)
2. Scaling.
3. Position Change.
4. Delete.
5. Take Screenshot.

**Selected item:**A screenshot of a software interface showing a text box labeled "Selected Item" with the text "obj0013" entered inside it.

The item name which is selected will be appeared here in the text box below this option. It is necessary to remember that when the object is selected a blue arrow sign will be appeared at the top of that selected object.

**Scaling:**

With the help of this option people can adjust the scale of the selected object. With upper arrow they can make the object large and with down arrow they can make the object small.

**Position Change:**

With the help of this option people can adjust the position of the selected object.

**Delete:**

With the help of this option people can delete the selected object.

**Take Screenshot:**

With the help of this option people can take the screenshot of their decorated image of the middle portion. The screenshot will be saved in the user's desktop.

**Bottom portion:**

Change Landscape

By using this option users can choose image from their pc. Their desired image will be appeared in the middle portion of the site.

## How to create panorama image:

### 1. Taking pictures for panorama with your digital camera

One of the most important parts of making great panoramas is taking great digital photos that you will use in the panorama. Here are the general steps for taking the digital photos that you want to use as the source images for your panoramic image.

1. Identify the subject that you want to feature in your panorama.
2. Do one of the following, depending on the settings for your specific digital camera.
  - If your camera has a mode that helps you take photos that you can use in panorama, set your camera to that mode. This mode, sometimes called *stitch assist*, is a setting that some digital cameras have that will let you align the objects from one photo to the next when taking each shot.



This camera setting helps to keep the exposure consistent across the sequence of photos because settings such as the shutter speed and aperture are locked, so the photos in the sequence are consistent.

This results in consistent exposures for all the photos in your panorama.

If your camera does not have a mode to help you when taking photos to make a panorama, if possible, use the Manual Exposure camera setting. If you use the Manual Exposure setting (often indicated by an M on the mode dial on your digital camera), you have control over the shutter speed and aperture. This helps to keep the photos consistent in color as you take each photo that you plan to include in your final panoramic image.

3. Take one or two photos, and then preview the photos in the LCD monitor of your digital camera. This lets you check the photo quality to make sure that the settings are appropriate for the scene that you plan to capture and feature in your panorama image. When you take these practice shots, you might want to take the shots across different parts of the scene because the lighting for different parts of the scene might be darker or brighter in different parts.
4. Focus your digital camera on the edge of the scene that you want to include in your panorama. This is the photo that will be the first photo that is used in your panorama.
5. Frame the shot, and then take the photo.
6. Move the camera slightly along the horizontal plane, so that there is an overlap by at least one-third or half in the object in the first photo you took and the second photo that you are about to take, and then take the second photo. If you are using a tripod, you can easily do this by moving the handle slightly to pan to the next part of the scene that you want to capture.
7. Repeat step 6 to capture the entire scene or landscape.

**2. Using third party software:** There are lots of panorama image creating software available on the internet. Among them we will recommend 3 of them:

1. [Hugin panorama maker](#)

[Tutorial](#)

2. [Microsoft Digital Image Starter Edition 2006](#)

[Tutorial](#)

3. [Zoner panorama maker](#)