My World Website Setup Instructions
Version 0.9.3

The My World website is intended to be set up with and operate a Halcyon world installation. See the instructions at the Halcyon wiki page for how to setup and configure Halcyon for small to medium sized grid. While the My World website will work with any Halcyon grid size configuration, the built in grid management will only handle up to a medium sized grid configuration. Anything larger will require a more extensive grid management program like Grid Monkey, InWorldz's Maestro or the MOSES MGM programs.

Prerequisites:
Have installed and set up a MySQL server with a MySQL Workbench access to it. Also for Windows you will need MySQL Connector/Net 6.10.x. From https://dev.mysql.com/downloads/connector/net/.
Install Halcyon for the architecture you intend to have for your starting world. Including set up of the MySQL DB for it.
IMPORTANT: Do not start the grid or create any accounts in it.
Use the MySite.SQL to create the DB for this website in MySQL Workbench.

Install My World website as a standalone website in Windows IIS or Linux Apache.
This is typically done where you set up websites for the server. Example for Windows:
C:\Websites\MyWorld\wwwroot this would be where you place the contents of the MyWorld.zip.
Assign the IIS_IUSRS account to have full permission to this folder.
At this point how to set up in Ubuntu with Apache and Mono has not been resolved. I have not been able to figure it out, but I am very new to Ubuntu and Linux in general. The website target goal is .Net Core on all platforms.

The website will require personalization and display changes to make it be your own website. This is done using the free Visual Studio or Mono Development programs depending on the operating system you are using.

Open the MyWorld website in Visual Studio as a new existing project. Find and replace in all pages:
 http://MyWorld.com with your url. Important where you may have SSL installed and URLs need https:.
 MyWorld.com with your domain. Changes email domain entries.
 My World with your grid name.
 director@ with an administrative email address for error / process reporting.
NOTE: Website has four email addresses defined, the first three need to be set up in your email server - director, mailer, support and autoresponse. Autoresponse is not intended to be responded to, but may be set up with a redirect to capture any mistaken responses.

Replace the /Images/Site/Header.jpg with your own graphic, if you intend to use one. May require change in the /Styles/Site.css for the entry. Graphic is commented out by default.

Viewer splash page uses the /Images/Site/Backgrounds/*.png as the background images to show if there are any. You may place as many images here as you like, they will be randomly displayed on the viewer page for your world.
Create your site favicon.ico see https://www.w3.org/2005/10/howto-favicon for more information.

If the name of your Master avatar is not Grid Owner, you will need to change the hard coded name in the Logon.asxp.vb page. Search for "Owner" to find the line. Replace both Grid and Owner with the name of your master avatar.

Update the Web.Config file connection strings to the grid and website DB connections. The two connections are for MyData - The grid database, and MySite - the Website database. Keep the name handles the same and only change the actual database names if they are intentionally different. Otherwise you will have to also change every instance of "MyData" and "MySite" in every page in the site and the Template pages for Visual Studio. Also change the User ID and password in the connection strings in Web.Config.

Edit /Adminstration/Gridmanager.aspx.vb. Locate the >Password< text in the file, there will be two of them. Replace it with your server password. This will allow commands to be sent to the region instances from the website. This will be changed in the next release with a server registration and tracking. Current process requires all region servers to have the same Administrator account and password. That is why it will be changed.

Website Activation:

Setup the website in IIS or Apache to access it. In IIS, the connection pool setting must be for .Net 4.0 and Classic in the basic settings and the app pool entry. A local network only site can have a DNS name put in the host file or configured in your router, otherwise you will need to have a domain name for the website and set up the DNS entries to your server. Make sure your bindings allow for how your domain is set up for www.example.com or example.com or define both. If you are using an SSL, that must be configured also. Use of the LetsEncrypt.com free SSL also works great!

NOTE: All viewers have landtool.php hard coded in them. You have to set up an IIS page redirect for your website to point to the LandTool.aspx page instead. This is done in IIS for the website entry using the URL Rewrite option. Set up a new rule as a User-FriendlyURL. The input pattern is Landtool\.php and the rewrite is LandTool.aspx. Apply to save the rule. Test later by selling a parcel of land. (I do not know how Apache handles request redirection for a page like this.)

Start the website. Install Halcyon grid if this has not been done. Start the Halcyon Whip asset server and the three grid services.

At this point the website should be accessible. If the grid Master Avatar account has not been created, you can use the Registration page to create the two grid starting accounts needed.

Set Up Grid Avatar Accounts:
These accounts will be used in the world and to access website management programs.
Create these users accounts using the website New Account process. The grid owner name may be changed and is used for region creation and all passwords must be changed.

Grid Owner : MyWorld1 This account is the default region owner for the entire grid. The Master Avatar account.
Grid Library : MyLibrary This account is for the grid Library processing until the standard Library can be edited in a useful way.

Logon with your Grid Owner account in the website.
Open the Website Administration in the left side menu. This will let you access the pages to complete website setup.

Website Configuration Setup:

After you logon and get to the Account page, you will use the side menu entry **Website Administration** to access the Admin programming.
Admin - This page does not show much. It is only a page to access the side menu options to the programs and provide a central point to return to. It and all pages retains a "trail" of where you have been under Menu Options in the most "recent on top" order.

Control Value Management -
You will want to make sure you set up the program control values the pages need to work:
Click on the **SMTP Server** entry to open it, default is localhost.
(**Note:** you may also put in the internal IP address of the server that handles your website email processing. On my Windows web server I use hMailServer. It works great.)
Return to **Control Values Select** using the left side menu top entry.
Click on **Server Location** to open it. It is set to Dev by default. If you have and intend to use SSL for your website change this to Live to enforce SSL access.
If your DB names are not mydata and mysite, you will need to replace the names for them in the **MyData Database Name** and the **MySite Database Name** entries.
These entries are identified in the MySite.Control table as Control="ADMINSYSTEM" for all entries.
Click on **Website Administration** in the left side menu to return to the Administration level options.

Control List Management -
The entries here can be created and other pages you add to the website, use the same tools to read values you put in to allow you to easily change or extend the options you need without hard coding them into the pages. See how the existing pages use the Control table settings.
Open the Email Addresses Member List by clicking on its **Member List**.
Open the **Grid Owner Email** entry. Put in the director@yourdomain.com email address on the Text Value line.
Click the Update button to save it. Click on the **Control List Select** to return to the prior level.

Open the **Webmaster Email** entry. Put in the support@yourdomain.com email address for the webmaster. Click the Update button to save it. Click on the **Control List Select** to return to the prior level. Remember to set up these emails in the mail server and redirect to your own email address!
Click **Parent Level** to return to the prior level.
Click Grid Settings **Member List** to open its members.
If you wish to have a default Home region the region name may be set here. This would be the region where new accounts will go after leaving the Welcome Island if you use one. If not, this may be left blank.
Click **Grid Status URL** to change the URL where your grid's first region will be: Specifically change the "myworldintIP" part to your local network IP address.
Click the Update button to save it. Click on the **Control List Select** to return to the prior level.
If you intend to have a Welcome Island you can set the name for it in the **Grid Welcome Region** entry. Otherwise it may remain blank.

The fields have these meanings:
Member Name: identifies the entry.
Key or List Link: Identifies the entry for either program reference or member list access.
Text Value: may be a description or text value option.
Numeric Sort Value: may be used as a sorting value for a member collection or numeric value.
Numeric Value: If the entry is to have a numeric value this is the one used for it.
These entries are identified in the MySite.Control table as Control="ADMINLISTS" for all top level entries.

Contact Management -
This program sets up the email entries for the Contact Us page and uses the entries placed in the Control List, Email Addresses Member Lists as your selections to choose from for each entry.
Use the New Entry side menu option to create a new email entry.
Field meanings:
Contact Title - What you see in the Contact Us send to drop list.
Email Address - Drop list of email entries created in the Control List Email Members. Edit list to change email addresses for each entry and you may add more contacts and email addresses to the list as needed.
Email Subject - What you see as the Subject in the email sent to the email address selected.
Auto Response Message - If filled in, will generate an email to the person who sent the message with this text as the email body. It is intended to provide an automatic response to them that you got the email if there was no problem in the page sending it.

Webpage Management -
This program provides access to all registered site pages that will show content created in this program. When there are entries shown, they will have a reorder control set show to rearrange the display order they will appear in on the web page. Some of the pages require logon access before they may be used and show in this program.

Select a page from the drop list to create / access content that will display in that page.

Use the **New Entry** in the side menu that is displayed when a page has been selected.

Name - Title shown in the prior page to see the entry Title - What shows in the page. Optional entry. Shows in bold black text separated from content.
Content - HTML formatted text. Tool bar activates when text is selected to act on for HTM tags and elements.
Optional Auto Show On - Date entry to start the display of the content.
Optional Auto Expire On - Date when to remove the entry from the page.
Active - Check to make the entry show immediately.

(**NOTE:** These controls can be combined to manage display of the content on the page based on dates. The Auto Expire date will turn off the Active check when the date happens.)

The **ResetPass.aspx** page uses two optional page displays if you create them:
Name='Reset Password Introduction' - provide a description of the reset password process.
Name='Password Reset Confirmation' - provide a message that the reset password confirmation email was sent.

Economy Pages only Used with Full Economy:
Buy.aspx - Buy in world $ through PayPal processing.
Sell.aspx - Sell in world cash
IPN.aspx - Handles PayPal transactions for Buy and Membership payment transactions.
TransHist.aspx - Display of world money transaction history.
Buy and Sell pages are accessed from the Account.aspx page if full Economy is active.
(As of this release, the Sell page is not complete and not used. Option not available.)

Economy Management -
The World Bank account is not created unless the Economy is setup for Level 2 or Level 3. It is managed only by the Economy page.
World Bank : MyMoneyBag2 This account is the world bank for money processing. Even if the grid does not use any money, money can be used to control uploads and group creation by setting a price on them.
Logon to the account after it has been created, to **CHANGE THE DEFAULT PASSWORD.**

Avatar Creation:
Avatars may be created with clothing assigned to them. Give the avatars to the Grid Library in inventory folders by <avatarName> for any license items and non worn contents and <avatarNameWorn> folder for all worn items.
Example:
Inventory
 World Library
  Clothing
    Starting Avatars
      Adam
      AdamWorn

Permissions set to copy only.
Avatar pictures may be created at 200px x 200px and set up in the website Images/Avatars folder to show in the Register page.
Add the names of each avatar to the Control Lists, Grid Default Avatars - MemberList, This list contains two collection entries:
Human Females and Human Males. The list may be extended to have non-human avatars by collection, Such as Elf Females, Elf Males or Other which may be objects as avatars. Select the collection - Member List. Add entries clicking on **New Member,** setting the member **Name** and the **Text Value** entry to the avatar name.
At this point the new account page will show the pictures of the avatars with their name as tool tip display on mouse hover.

I hope this will help you get a good website started and be extendible with more features as Halcyon continues to develop and more features added for this website.