Technical Specification Documentation

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4F00 CMS Analysis & Design

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Issue resolution

If the server fills up

You will either need to free up space or contact the server admin Cale. To free up space you can delete any images that are no longer listed in the database. You can see all images listed in the database by doing the steps for "If you need to edit the database manually" and then enter `select old_filename from image;` to get a list of all of the files in use, then delete any that aren't listed in the database. You can also run `du -h` to get a list of all the files and their sizes to figure out what can be deleted.

If it redirects you randomly

There must be an exception happening in the controller, try removing the try catch from the controller and the redirect if the if statement is exhausted to get the stack trace to figure out why the exception is happening.

If someone posts inappropriate content

Delete their website, if they continue to post inappropriate content delete their account. See "How to delete a user" and "how to delete a website".

If the server is down

Email the server host Cale Fairchild.

If a website does not load

If there is an internal server error see "If you get an internal server error", if there is a stack trace you need to look at the stack trace and edit the code to remove whatever issue was causing the stack trace. If the server is running very slowly you need to contact the server admin Cale.

How to delete a user

Deleting a user is permanent and cannot be reverted back
- Go to the main website page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the user tab in the admin portal site
- Click on the user to be deleted
- If you are sure you would like to delete the user click "Delete User" in the User Options pop up
  - Otherwise select the x at the top right of the pop up to close it, or the grey space outside of the popup

How to make a user as admin

You need to ssh into the sandcastle server, type `psql` and then enter the ssh password. This will bring you to a terminal where you can manually enter SQL commands. Enter `update users set level='Admin where id=<user_id>;`

Make sure this admin is trustworthy as they can cause damage and permanent data loss

- Go to the main website page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the user tab in the admin portal site
- Click on the user to be changed to administrator status if they are not already and Admin as their User Level
- In the User Options pop up, select the "Add/Remove" Admin button to add the user as admin

How to convert an admin user back to a regular user

- Go to the main website page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the user tab in the admin portal site
- Click on the user to be changed to administrator status if they are not already and Admin as their User Level
- In the User Options pop up, select the "Add/Remove Admin" button to add the user as admin

How to delete a website

Deleting a user is permanent and cannot be reverted back
- Go to the main websites page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the websites tab in the admin portal site
- Click on the website to be deleted
- If you are sure you would like to delete the website click "Delete" in the Website Options pop up
  - Otherwise select the x at the top right of the pop up to close it, or the grey space outside of the popup

How to check pending tickets

- Go to the main website page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account

- Then select the Tickets tab in the admin portal site
- Here you can see the pending tickets sorted from the oldest to newest

How to delete closed tickets

Deleting a ticket is permanent and cannot be reverted back
- Go to the main websites page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the Pending Tickets tab in the admin portal site
- Click on the Done button at the bottom right of the Ticket to be deleted
- If you are sure you would like to delete the ticket click "Mark as Complete" in the pop up
    - Otherwise select the x at the top right of the pop up to close it, or the grey space outside of the popup

How to wipe all users from database

Deleting all users is permanent and cannot be reverted back, this will also permanently delete all websites as a result
- Go to the main websites page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the Database clearing tab in the admin portal site
- Click on the "Delete All Users (Permanently)" button
- If you are sure you would like to delete all users, click "Delete Anyways" in the pop up
    - Otherwise select the x at the top right of the pop up to close it, or the grey space outside of the popup

How to wipe all websites from database

Deleting all websites permanent and cannot be reverted back
- Go to the main websites page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the Database clearing tab in the admin portal site
- Click on the "Delete All Websites (Permanently)" button
- If you are sure you would like to delete all websites, click "Delete Anyways" in the pop up
    - Otherwise select the x at the top right of the pop up to close it, or the grey space outside of the popup

How to wipe all ticket from database

Deleting all tickets permanent and cannot be reverted back
- Go to the main websites page

- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the Database clearing tab in the admin portal site
- Click on the "Delete All Tickets(Permanently)" button
- If you are sure you would like to delete all websites, click "Delete Anyways" in the pop up
  - Otherwise select the x at the top right of the pop up to close it, or the grey space outside of the popup

How to wipe the entire database

Deleting the database permanent and cannot be reverted back
- Go to the main websites page
- Click the login button in the navigation bar at the top right
- Sign in with Admin account
- Then select the Database clearing tab in the admin portal site
- Click on the "Delete Entire Database (Permanently)" button
- If you are sure you would like to delete all websites, click "Delete Anyways" in the pop up
  - Otherwise select the x at the top right of the pop up to close it, or the grey space outside of the popup

How to get to the admin portal

If you are not already signed in:
- Go to the main websites page
- Click the login button in the navigation bar at the top
- Sign in with Admin account

If you are signed in but left the page
- You can sign out then sign back in.
- Or type in ~/view/admin-portal.php

If you get an internal server error

- Ensure that the file you got the error on has `#!/usr/bin/php-cgi` at the top of it
- Ensure that the file has 701 permission
- Try running `php-cgi -l -f filename` to see if there is any syntax errors

If you need to edit the database manually

You need to ssh into the sandcastle server, type `psql` and then enter the ssh password. This will bring you to a terminal where you can manually enter SQL commands.

Code organization

- config/config.php
  - Contains the configuration file to setup the database and to set the home-file-path
- lib/
  - Contains all of the libraries used for this project
- uploads/
  - Contains all of the images and other files that get uploaded to the CMS
- setup.sh
  - Initial file to be run to set up the project
- utilities/
  - Directory containing php files that are used to
- view/
  - Contains all of the pages needed for each link in the website
- controller/
  - Contains the controllers needed to take commands and do actions with it, this allows the proper redirects and the read and write access for the database
- model/
  - Contains the model which contains the database will all methods needed to access and change the information stored

Database organization

- `Contact` table
  - Whenever someone sends a ticket or message it will be stored in there
- `Image` table
  - Contains a list of every image uploaded to the server
  - `Old_filename` contains the name before it was
  - `Filename` contains the actual name of the file in upload/images/ directory
- `Recover` table
  - Contains information on email reset links
  - `Time` is the time that the reset link was sent in seconds since unix epoch
  - `Code` is a unique code used in the reset link
  - `User_id` is the user the reset link is associated with
- `Users` table
  - Contains all the information associated with an account
  - `Password` is a hash of the users password
  - `Level` is whether or not the users is a general user or admin
- `Websites` table
  - `Published` is true if other users can see the website
  - `Webpages` is the JSON code for each website which contains all the code for the webpages