

ITS WEBSITE

{ v 0.1 }

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INTRODUCTION

This document is a compilation of information about the 2023 ITS Website. It aims to describe the design and build of the new version of the ITS Website. It also includes information about the source code, where it is stored, and things like code style. The objective of this document is to enable future collaboration when new developers join the project in the future.

START DATE

The design process for the ITS Website started on April 2023.

TEAM MEMBERS

George Ciesinski – Lead Developer

Michael Boadu – Marketing and Communications Coordinator

REQUIREMENTS

The ITS website serves tens of thousands of Faculty Members, Staff and Students in a College environment. The below requirements will help to provide a positive and secure experience to all website users:

1. **Security** – The website should stay up to date with major security updates, and should include authentication for all users who modify the content of the site.
2. **Optimization** – All images, videos, and other assets should be optimized before usage on the site to ensure a fast browsing experience.
3. **Accessibility** – Content should meet the accessibility requirements outlined in the AODA (Accessibility for Ontarians with Disabilities Act)

DESIGN

This project was designed using Figma.

Design Link TBD

SOURCE CODE & CODE DESIGN

The source code for the website is stored on GitHub: <https://github.com/Humber-ITS/ITS-site>

TECHNOLOGY

CMS

The website is created primarily using Drupal 10 CMS.

<https://www.drupal.org/about/10>

CSS FRAMEWORK

TODO – Determine if Tailwind will be used or if basic CSS/SCSS will be used.

<https://tailwindcss.com/>

CODE STYLE

TBD

DRUPAL CMS

This section describes the various content types, structures, modules and themes used to create the Drupal side of the website.

SETTINGS

SETTINGS.PHP

The [settings.php](#) file contains sensitive data about the website such as the database connection information, and configuration information.

The file is also read-only by default which is required to ensure the site is secure, however, there are many instances where the administrator may have to edit this file. The instructions to do this are below.

LOCATION OF SETTINGS.PHP

The settings file can be found in: [/project-folder/web/sites/default/](#)

MAKING CHANGES TO SETTINGS.PHP

- 1) Open the terminal and [cd](#) into the above directory.
- 2) Use the below command to make the file editable:

```
chmod a+w settings.php
```

- 3) Make the required changes using a text editor like vim or nano.
- 4) Harden the permissions after editing the file:

```
Chmod 444 settings.php (Results in permissions -r-r--r--)
```

Alternative command:

```
chmod go-w settings.php (not recommended as it gives permissions -rw-r--r--)
```

MODULES

The ITS site uses contributed modules in order to carry out its functions.

ADMIN TOOLBAR

https://www.drupal.org/project/admin_toolbar

Improves the default toolbar and changes it into a drop-down menu with fast access to each administrative page.

In the Extend menu, the following options are also enabled:

- Admin Toolbar Content

- Admin Toolbar Extra Tools
- Admin Toolbar Search

GIN THEME

A number of Gin theme modules are also installed.

GIN ADMIN THEME

<https://www.drupal.org/project/gin>

Beautiful and sleep admin theme.

GIN LOGIN

https://www.drupal.org/project/gin_login

Gin Login provides a beautiful login page with a splashdown image.

GIN TOOLBAR

https://www.drupal.org/project/gin_toolbar

Helper module that brings Gin theme to the admin toolbar.

PATHAUTO

<https://www.drupal.org/project/pathauto>

Allows you to set up custom URI routing instead of using Drupal's built in <https://website.com/node/1> style URLs.

USERS

ADMINISTRATOR

The ITS website has a single [User 1](#) Administrator. This is the first user account and has permission to perform all tasks on the site regardless of permissions. This account is named *admin* on the ITS website.

Additional Administrators can be created by granting the Administrator role to new users.

More information about users, roles, and permissions can be found here:

https://www.drupal.org/docs/user_guide/en/user-concept.html

EXPAND THIS SECTION

CONTENT TYPES

TBD

UPDATING

Drupal core and the various modules the site uses are frequently updated to address security issues and bugs that come up over time. In many cases, it is beneficial to update these components to ensure that the Humber site is secure and working correctly.

HOW TO TELL THERE ARE UPDATES

Updates can be checked using the Admin toolbar on the website by visiting the Available Updates section.

Reports > Available Updates

This will show a screen similar to this which shows if Drupal core and modules are up to date:

| | |
|--|------------|
| Drupal core | |
| Drupal core 10.1.1 Includes: Automated Cron, BigPipe, Block, Block Content, Breakpoint, CKEditor 5, Comment, Configuration Manager, Contact, Contextual Links, Custom Menu Links, Database Logging, Datetime, Field, Field UI, File, Filter, Help, History, Image, Internal Dynamic Page Cache, Internal Page Cache, Link, Menu UI, Node, Options, Path, Path alias, PostgreSQL, Search, Shortcut, System, Taxonomy, Text, Text Editor, Toolbar, Tour, Update Manager, User, Views, Views UI | Up to date |
| Modules | |
| Admin Toolbar 3.4.1 Includes: Admin Toolbar, Admin Toolbar Extra Tools, Admin Toolbar Search | Up to date |
| Admin Toolbar Content 2.0.0 Includes: Admin Toolbar Content | Up to date |
| Gin Login 2.0.2 Includes: Gin Login | Up to date |
| Gin Toolbar 8.x-1.0-rc3 Includes: Gin Toolbar | Up to date |
| Pathauto 9.1.1 | Up to date |

If any of these components do not show Up to date and a green check mark, those components may have updates.

SHOULD THEY BE UPDATED

Updates should be made if they address a security flaw or a bug that may affect the website. You can check this by visiting the pages of the Drupal core version or the module project pages and reading the release notes. Any significant changes will be listed there, and a decision can be made based on this information.

TESTING UPDATES

Updates should be made on the development website and tested thoroughly before pushing to production. This would help with catching any incompatibilities or issues that may come up from the updates.

DRUPAL CORE

TBD

MODULES

TBD

ADMINISTRATION

ONE TIME LOGIN

If a user is unable to login for some reason, it is possible to send them a one-time login using drush uli:

```
drush uli --name=username --uri=website-url
```

If successful, it will output a URL that the user can use to login and change their password.

RESOURCES

TOOLS

HUMBER WEB ACCESSIBILITY COMPLIANCE (AODA)

This page provides access to the WCAG Quick-Reference guide and AODA Compliance Reference, as well as various tools that assist in evaluating Web Accessibility.

<https://humber.ca/tutorial/web-accessibility-compliance.html>

GUIDELINES

HUMBER INTERIM WEB GUIDELINES

This document provides guidelines for standards Humber Websites should meet.

<https://humber.ca/brand/sites/default/files/publications/interim-web-guidelines.pdf>

ARTICLES

TBD

TUTORIALS

TBD