

Preliminary User Manual: Project Wixs

COSC 4F00

Prepared By

Group 02

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For testing of admin features:

A test admin account has been set up with the following details:

Username: admin@brocku.ca

Password: password

For testing of normal features:

Please follow the typical registration process to use the system as a user with basic permissions.

Usage Walkthrough

Accessing the system

- Live website can be found at <http://cosc.brocku.ca/~c4f00g02/projectWixs/>
 - We recommend clearing cookies, allowing browser alerts, and enabling JavaScript for the domain 'cosc.brocku.ca' in order to operate the website as intended.
- Login and register button can be found at the top right of the header of the bottom of the landing page to bring you to the login or register page, respectively.
- After creating an account, you will be brought to your dashboard page.

Your dashboard

- If logging in for the first time you will be met with a dashboard empty of any templates.
 - From here you can create up to 4 new templates.
- Once a template is created, you have the option to set it as active.
 - Once active, others can see your site using the “shareable live template link” found at the top of the page.
- You also have the option to edit or delete any template.
 - Clicking the edit button brings you to the editor.

The editor

The editor allows users to easily create their own website. This tool supports adding a range of basic components as well as layout controls and custom styling features. The buttons to access

the various editor features are displayed on the right side of the screen. Components are arranged in a draggable grid layout, most can also be resized via a handle at the bottom right of their box.

- Clicking on the yellow plus sign on the right side of the screen opens the **Component Panel**. The Component Panel provides the following functionality:
 - Add new elements to the page
- The Components Panel has the following elements:
 - Plain Text Area - a standard textbox
 - Rich Text Area - a textbox that allows text styling such as bold, underline, lists etc.
 - Text With Header - a Rich textbox with a header section
 - Button - a standard button (functionally does nothing when clicked)
 - HTML Box - a section where the user can add their own HTML code. This component is intended for expert users of the system that need a highly specific element. Improper use of this component can cause unintended effects on the users template.
 - Table - allows multiple rows and columns as a typical table would. The table is limited to 5 rows and 5 columns to demonstrate that functionality but it could just as easily be unlimited.
 - Register Form - a form with “Email”, “Password” and “Repeat Password” fields and a Register button (again the button does nothing)
 - Login Form - a form with “Email”, “Password” fields and a Login button (button does nothing)
 - Image - allows users to upload an image along with text options for the image. Useful for providing image context or descriptions if required.
 - Standard Header - a standard Header
 - Standard Footer - a standard Footer (similar to the header but contains copyright symbol)
 - Flexible Card - A Card that contains a Header, Body, and Footer section, along with the option to add an image
- Clicking on a component in the Component Panel places it onto the site.
 - Once on the site, said component can be dragged around, edited and styled.
 - Components get added underneath each other, use the scroll bar to scroll down and see the elements you added if they are not visible
- When a component is selected, the **Data Panel** (orange pencil) will become visible. This panel gives access to modifying the contents of components; clicking apply will automatically update the selected component.
 - Components can also be deleted from this tab by clicking on the ‘trash can’ icon at the top right of the panel.

- The **Style Panel** (blue canvas) is also only visible with a component selected and allows users to make additional stylistic changes to the component. This currently includes the ability to change font size, font colour and background color.
- The editor superimposes some graphics onto the site to make it easier while editing. These graphics will **NOT** remain on a published version of the site. The graphic overlays are:
 - Dashed outer border of components
 - Light blue dashed outline of selected component
 - Resize handles in the bottom right of components
 - All drag specific graphics including the red placement indicator
- All changes are automatically saved to the users account in the background. Autosaves are triggered when adding new components, updating the layout of existing components or when applying changes through the data/style panels.

Editor Limitations

The editor is restricted to a fixed width of 1200px. What this means is that on small form factor devices such as mobile phones or small tablets, the page will be displayed with a horizontal scroll bar instead of dynamically resizing content to fit the device. On devices *larger* than 1200px, the content will remain at the fixed width and center to the middle of the screen.

The Editor only supports creation of *single page* applications. This means that there is only a single page to edit and publish, with a single URL.

Content upload

- User images may also be inserted onto a template.
- Firstly, upload your image under the “Upload” tab on Project Wixs’ Nav-bar.
 - Image sizes are restricted to 10MB or smaller.
- After uploading, they can be inserted by means of the “image component”.

Any additional help can be found by visiting the Help/FAQ page available within the website. This can be found within the navigation bar or within the right corner of the footer.

Other System Features

For ease of accessibility, the system is deployed and available by browser via the url: <http://cosc.brocku.ca/~c4f00g02/projectWixs/>. In order to stay relevant with current technologies, the front-end layout and data-flow of the system was designed using React.js. The back-end of the system relies on communication between PHP and a Postgres database. Data is transferred between the front- and back-end through AJAX calls retrieving data from the PHP files , which mimic a RESTful service

Database Connectivity

Data Retrieval

- The system allows for persistence of data and advanced logic through connectivity with a Postgres database.

User Profiles

Template Storing

- Up to 4 user templates can be created, manipulated, and stored within a database at a time.

File Storage

- Users can upload images up to 10MB in file size for usage within their templates.

Admin Account

- An admin account allows for deeper functionality in controlling the admin permissions of other users of the system, or deletion of other accounts.

Form Validation

Input Sanitization Process

- Any front-end inputs provided to the server are checked for null values, trimmed of whitespace, checked for valid formatting, and sanitized using built in PHP functions.

File Uploading

File Validation

- Files are validated for size and extension type before submission to the server.
- Limitation: Files should be validated on the server-side as well in case someone bypasses the front-end interface for submission.

File Deletion

- Files can be deleted from a user's collection within the Upload page.