

# Advanced Web Publishing Apps

Project

Cork Institute of Technology

October 2019

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# 1 Advanced Web Publishing Apps

## Project Assessment

This project contributes 40% in your final mark. This is an individual project and has to be all done by yourself. You may be called to explain different parts of your submission, if needed.

The project has to be submitted via Canvas and it has to be a zip file named as follows: IS1234567.zip where 1234567 is your student ID. So if your student ID is 435623 then the name of the zip file would be IS435623. The zip file should contain two files, one of them is the zip file of your application folder (you should again use the same naming convention IS435623) and the other file is the exported database file from Drupal. Your exported database file has the following naming convention: DB435623 where 435623 is your student ID. Please do not use any other naming convention. You should use the *Backup and Migrate* module that we have discussed it in the lecture in order to export your database.

Your submission should also include a short screen recorded video with narration that can display all the pages/themes/block/views and etc you have created. You can use any screen recorder software you want. The following link is a suggestion for a screen recorder. <https://screencast-o-matic.com/screen-recorder>

### 1.1 Project Description

#### 1.1.1 Content and Structure Creation

You are required to create a web application for a company that are selling DIY (Do It Yourself) products. Each DIY product needs to have a page that shows the list of the product's parts (Hint: Taxonomy) and shows how the product should be crafted, using images and/or text.

Products are divided into 4 different sections as follows:

1. Electronic DIY
2. Gardening DIY
3. Kids DIY
4. Kitchen DIY

Your application should have at least two particular products of your choice, per section. You may search online and find relevant products.

Your application should be designed in a way that, if a new product is added into the store, the end user can quickly create a new page for that product.

The application needs to have two contact forms. One for products and one for general queries.

The application should have the following pages and the link to each page should be made as a separate menu link in the main menu (except number 5) in the home page.

1. About us. Description about the company, an image for it, email address and postal address.
2. Contact us. A comment section, phone numbers, addresses and email address.
3. Staff. This page has a view that illustrates all the current staff members. Each staff member then has her/his own page with his/her responsibility in the company, email address, image,



Figure 1: A snapshot of wiki-how website

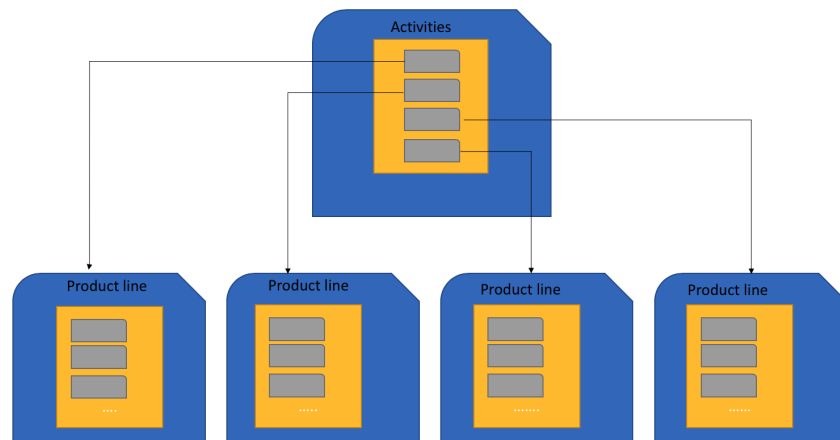


Figure 2: A snapshot how pages are linked

full name and office number. You should define at least 4 staff members once you launch your application.

4. External news. This page is responsible to subscribe to news and articles from Wiki-how web site. Wiki-how is a web site that has a large number of different instructions on how to do different things. Wiki-how has a news feed (See Figure 1) that can feed your page using rss feed.
5. Four product Line pages. There should be four pages, one for each individual section (e.g., Kids DIY, Gardening DIY etc). Each page contains a view of all the actual products belong to that section.
6. Activities. This page has a view that lists all the product line pages (previous step). Each item in the view should be linked to the corresponding product line page. Figure 2 shows an overview of how items in the view of this page should be linked to product line pages in the previous step.

The content of the home page should be an image of a selected DIY product with a short welcoming message that contains **your name and student ID**, you may use site slogan section

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for that. The logo of the application should be relevant to the application domain. Your web application should have a breadcrumb as well.

You need to provide an rss feed for the view that contains Kitchen DIY products so that others can get notified or updated when a new product in Kitchen DIY section is added.

### 1.1.2 Theming

Your application should be tried using two different themes.

The first theme would be a theme of your choice. You need to search online and find an appropriate theme for this application domain and make at least two modifications on the downloaded theme using css files.

The second theme would be your customized theme which you will created from scratch with the following features:

1. Your theme should be named **mydiy**
2. Your theme has the following regions with the specified names as follows:
  - header\_first: This region would be located at the top left corner of the page and contains the site branding block.
  - header\_second: This region would be located at the top right corner of the page and contains login block and will take a background image (an image relevant to a DIY product).
  - content
  - footer: This region would be located at the bottom of the page
  - sidebar: This region would be located on the right side of the page between header and footer. Add one block of your choice to this region.
  - main\_menu: This region would be located under the header\_first and will contain the main navigation menu block to show the list of menus you have created for different pages.
  - breadcrumb: This region would be located below the main\_menu and above content. This region contains a block for breadcrumb.

You may use different colors of your choice for regions. The font of the whole web application should be *Allerta Stencil*. The sketch of the theme is illustrated in Figure 3

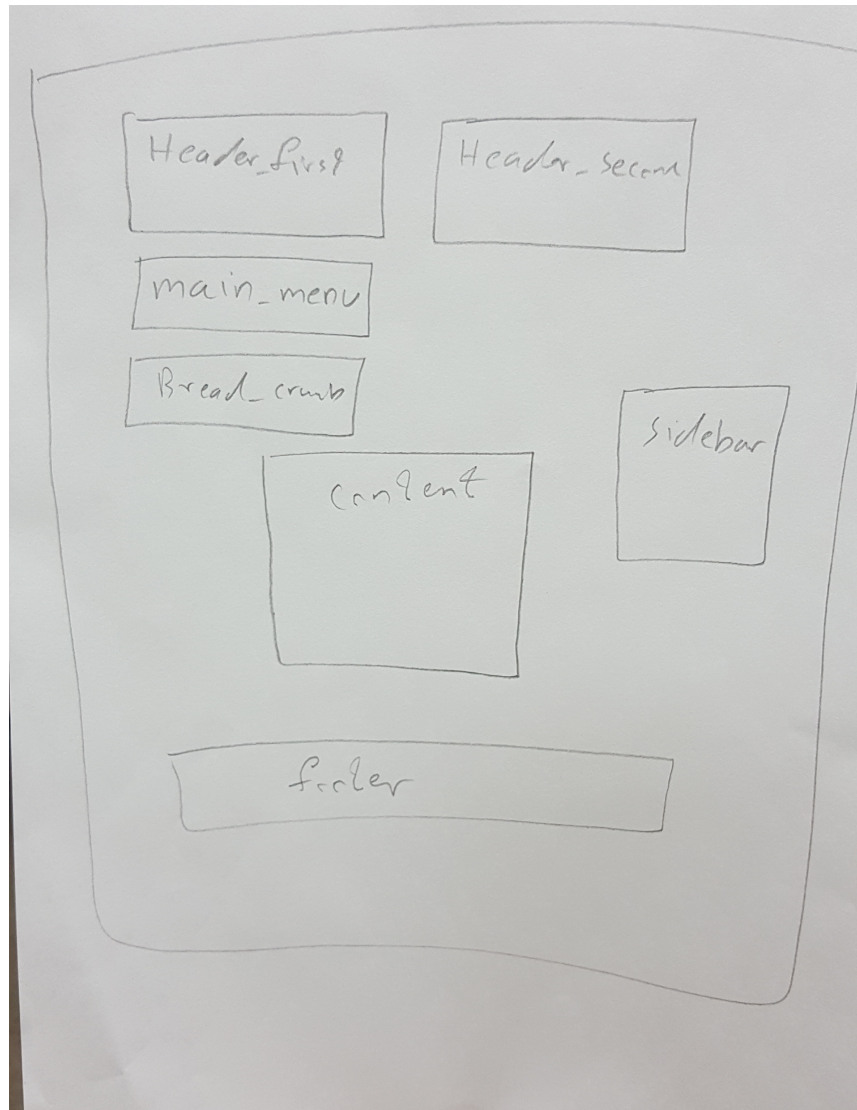


Figure 3: A sketch of the theme

## 1.2 Deadline and Submission

The deadline is on Monday 11th of November at 17:00 pm. Note: This is your responsibility to make sure your submission works properly. I would recommend you to test your submission (the exported database and folder) with another system before you submit. Please make sure that all the pages and themes you have created are displayed in the video with a narration.

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### 1.3 Rubric

- **Content and Structure Creation 1.1.1 65%:**

1. **Excellent** 100%: The student has successfully represented the scenario with the required features, pages and elements.
- 2.
3. **Good** 50%: The student has partially represented the scenario with the required features, pages and elements.
4. **Poor** 0%: The student has not successfully represented the problem statement with the required elements,

- **Theming 1.1.2 35%:**

1. **Excellent** 100%: The student has successfully represented the theming scenario.
2. **Good** 50%: The student has partially represented the theming scenario.
3. **Poor** 0%: The student has not successfully represented the theming scenario.