



DEV4 CASE STUDY

PROJECT

[UDNY.ONLINE](#)

CLIENT

Udny Community Council

INDUSTRY

Local authority & public services

CASE STUDY



BACKGROUND	2
THE REQUIREMENTS	2
OUR APPROACH	3
THE SOLUTION	3
One secure data location.....	4
Cloud based application	4
UCC Member page & Member management.....	4
News, Minutes, Notices & article management.....	4
Article archive	5
Registered Users functionality & User management	5
Survey functionality & survey management.....	6
Multi-platform support	7
System Availability.....	7
PROJECT TECH.....	8
ABOUT DEV4.....	8

CASE STUDY



BACKGROUND

DEV4 were commissioned in 2018 by Udney Community Council to design and build a web application to help support & promote their services.

The UCC were using various systems to reach their User base. For example, WordPress & Survey Monkey.

The logo for Udney Community Council, consisting of the text 'Udney Community Council' in white, bold, sans-serif font, centered within a dark blue rectangular background.

Seeking to reduce ongoing costs and to consolidate Community Council news and content, UCC recognised the need for a specific application offering.

THE REQUIREMENTS

1. Single, secure source of UCC content
2. Cloud based application *to include*;
3. UCC Membership page & Membership management
4. News page & article management
5. Minutes page & article management
6. Notices page & article management
7. Article archive
8. Registered Users functionality & User management
9. Survey functionality & Survey management
10. Multi-platform support
11. High levels of system availability

CASE STUDY



OUR APPROACH

DEV4 worked with UCC Management to understand their processes in order to meet the specific functional requirements of their new application.

By analysing the existing fragmented applications used by the UCC, we designed & delivered a robust website and associated secure management components.



Moving quickly to produce early interface prototypes, we worked alongside UCC Management in designing and building the application components.

[UDNY.ONLINE](#) v1.0 was operational **4 weeks** after project commencement.

THE SOLUTION

DEV4 designed and developed UDNY.ONLINE - a Cloud based application providing community content and Council services & assistance.

Designed and built primarily using Microsoft .NET technologies, the system is secure, robust and compatible with several devices and browser platforms.



[UDNY.ONLINE](#) provides a single source of information for the UCC to publish and promote their services.

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THE SOLUTION One secure data location ✓

Our team developed a secure SQL Server database, which provides one source of data for the system.



THE SOLUTION Cloud based application ✓

Developed on Microsoft .NET technologies, [UDNY.ONLINE](#) was deployed as a Cloud application on the Microsoft Azure platform.

THE SOLUTION UCC Member page & Member management ✓

This requirement encompassed two individual elements – consumption and administration.

Consumption: An interface for the display of UCC Members images, titles and names. Also including a contact option on each Member profile.

Administration: A fully configurable area for UCC administrators to manage Members, types, active status, images and profiles.



THE SOLUTION News, Minutes, Notices & article management ✓

Designed on the principal that News, Minutes & Notices are all articles but of a *different type* we could re-use the same logic and interface for the three different types of articles.

Menu options for accessing specific types of article, for example Notices, provide a quick and easy way of navigating to a particular library.



In addition, new content indicators make it easy to see if there have been any updates to that Library.

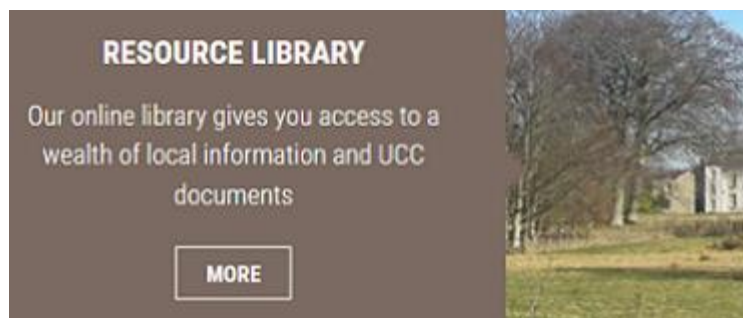
Using techniques such as progressively loading content on scroll and page caching, we have provided highly responsive, intuitive interfaces.

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THE SOLUTION Article archive ✓

By designing the article libraries with associated article types, we could simply display all active articles from the UCC archive ordered by date descending.



THE SOLUTION Registered Users functionality & User management ✓

DEV4 provided a Registration page for any interested users of the application content.

By registering, Users receive a monthly email with a list of the past months articles which they can click and navigate to the site article.

UCC data is not shared with any other organisation and strictly adheres to the Council's [T & C's](#).

Registered Users may unsubscribe at any point after registering, where upon their details are removed from the system.

NOTE: The UCC application stores only the name and email address details for a Registered User. No other personal information is requested or retained.

CASE STUDY



THE SOLUTION Survey functionality & survey management ✓

The provision of an inbuilt Survey tool was a key requirement for the system.

UCC Administrators can create & publish surveys, toggle availability, both manually and by constraint dates.

AVAILABLE SURVEYS

[KIRKWOOD HOMES BONNYTON \(CLICK TO OPEN\)](#)

Available between 10/05/2019 and 30/09/2019

Once a survey date range has expired, it is closed for completion. Subsequently if it's still marked active but closed for participation, the survey results are then converted to a results panel.

Status	Active from	Active to
Active ▾	10/05/2019	30/09/2019

Creating different question types such as check boxes, drop down lists, multiple choice radio buttons allows the survey creator to tailor survey questions for precise responses.

Whenever text answers are required, the comments from participants are available on a scrollable interface for review.

Q1. ARE YOU AWARE OF THE KIRKWOOD HOMES DEVELOPMENT PH
 Yes
 No

Q2. ARE YOU AWARE OF THE DEVELOPMENT ACCESS ROUTES PRO
 Yes
 No

Q3. DO YOU HAVE ANY CONCERNS REGARDING THE PROPOSED AC
 Yes
 No
 Unsure

Dashboard analysis also provides automated response rates and answers from measurable question types.

Q10. With the proposed expansion in the village, do you fo

Yes 38 (76%)

No 9 (18%)

Unsure 3 (6%)

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THE SOLUTION Multi-platform support ✓

Using responsive design techniques, [UDNY.ONLINE](#) is accessible via devices such as a PC, laptop, tablet or mobile phone.



[UDNY.ONLINE](#) supports the latest versions of Google Chrome, Microsoft Edge, Firefox and Safari browsers.



THE SOLUTION System Availability ✓

Hosting the solution was an easy decision with the availability of the Microsoft Azure global platforms, delivery points and data centres.

Among several benefits of Azure is the flexibility to deploy or host data and software for specific global regions.

Compliance, Disaster Recovery and Analytical support services are also significant key differentiators for DEV4 and our Clients.

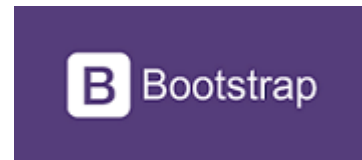


CASE STUDY



PROJECT TECH

[UDNY.ONLINE](#) utilises a range of design, development, testing & hosting technologies.



ABOUT DEV4

SOFTWARE | PLAN | DESIGN | BUILD | MANAGE

[DEV4 Online](#) Ltd. have provided solutions in various industries such as financial, engineering, quality assurance, logistical, inventory control, training and human resources to name a few.

Our Team has extensive engineering systems experience, particularly within the Oil & Gas sector.

From bespoke projects to off the shelf offerings, we have assisted many businesses resolve, create and plan for future growth.

Contact us at info@dev4.online to discuss your project ideas & requirements.