



UNIVERSITY of
BRADFORD

Faculty of Engineering and Informatics
Department of Computer Science

UI Design Mockup Document

Contents

1	WEBSITE DESIGN.....	3
2	LOGIN PAGE	4
3	SIGN-UP PAGE	7
4	RESET PASSWORD PAGES	9
5	LOGS PAGE.....	14
6	USER LIST PAGE	16
7	HOME PAGE	18
8	PERMISSIONS PAGE.....	23
	APPENDIX: UI WIREFRAMES	25
9	HOMEPAGE	25
10	LOGIN PAGE	26
11	SIGNUP PAGE.....	27
12	PASSWORD RESET PAGE.....	28
13	LOGS PAGE	29
14	USERLIST PAGE	30
15	PERMISSIONS PAGE	31


1 WEBSITE DESIGN

The website is designed to provide a user-friendly, secure, and accessible platform tailored to meet the needs of both administrators and regular users. The interface follows a clean, intuitive layout, ensuring seamless navigation across various features, including user authentication, account management, application logs, dataset uploads, and an interactive map of Bradford.

Security and accessibility are at the core of the design, incorporating secure authentication methods, password encryption, and compliance with WCAG (Web Content Accessibility Guidelines) to make the platform inclusive for all users. The website also ensures responsive design, offering a consistent experience across different screen sizes and devices.


With a structured approach to data management, user control, and visual clarity, the website serves as a robust solution for effectively handling user interactions and administrative tasks while maintaining a high level of usability and security.


2 LOGIN PAGE



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

[accessibility](#)





RESET PASSWORD

Log In






Email

Password

Log In

[Reset Password](#)
[or sign-up](#)

Council Switchboard : 01274 432111
Council Address : Britannia House, Hall Ings, Bradford BD1 1HX
[Contact us now](#)

    
Facebook X Instagram LinkedIn WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)
© 2025 City of Bradford Metropolitan District Council

Figure 1: Login Page



2FA

Enter Code

Submit

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)



Facebook



X



Instagram



LinkedIn



WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)

© 2025 City of Bradford Metropolitan District Council

Figure 2: Authentication Page


The authentication screen is designed to mirror the City of Bradford Council website, providing a familiar and professional user experience. The interface prioritizes security, usability, and accessibility while maintaining a clean, user-friendly design.

The login page includes fields for email and password, with complexity enforcement, including minimum length and security requirements. Users can log in, reset their password, or sign up if they are not registered. The system features robust error handling to manage invalid credentials, network failures, and account lockouts, ensuring clear feedback and smooth navigation.


Security is reinforced with BCrypt encryption for password storage, TLS 1.3 for secure data transmission, and HTTPS enforcement. Two-factor authentication (2FA) adds an extra layer of protection, requiring users to enter a time-sensitive authentication code received via email, SMS, or an authenticator app after logging in. Limited login attempts, session validation, and integration with security audits ensure compliance and prevent unauthorized access.

The UI is designed for clarity and ease of use, minimizing distractions while ensuring accessibility. With strong authentication methods and advanced security enhancements, this system effectively balances security, usability, and compliance.

3 SIGN-UP PAGE

 **City of
BRADFORD**
METROPOLITAN DISTRICT COUNCIL

[accessibility](#)



Sign Up

First Name

Second Name

Department

Select a department

▼

Email Address

Password

Re-enter Password

Sign Up

[or login](#)

Council Switchboard : 01274 432111
Council Address : Britannia House, Hall Ings, Bradford BD1 1HX
[Contact us now](#)

 Facebook

 X

 Instagram

 LinkedIn


 WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)
© 2025 City of Bradford Metropolitan District Council

Figure 3: Signup Page


The Sign-Up Page provides a seamless registration process for new users, allowing them to create their accounts effortlessly. It includes essential fields such as full name, email, password, and department, ensuring that all necessary details are collected. To enhance user experience, the page features a login link for those who already have an account, preventing unnecessary duplicate registrations. Users can initiate the registration process with a "Sign Up" button or link, which is accompanied by password strength validation to enforce security best practices. The design follows an intuitive layout, with clear instructions for each field to guide users smoothly through the process. Additionally, the page may include privacy policy and terms of service links, ensuring transparency and compliance with data protection regulations.


4 RESET PASSWORD PAGES



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

[login](#) [accessibility](#)

Search datasets 








Reset Password

Email

Submit

Council Switchboard : 01274 432111
Council Address : Britannia House, Hall Ings, Bradford BD1 1HX
[Contact us now](#)

    
Facebook X Instagram LinkedIn WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)
© 2025 City of Bradford Metropolitan District Council

Figure 4: Reset Password Page



Reset Password

Enter Code

Submit

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)



Facebook



X



Instagram



LinkedIn




WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)


© 2025 City of Bradford Metropolitan District Council

Figure 5: Password Reset Page



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

[accessibility](#)



Reset Password

Enter Password

Re-Enter Password

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)


Facebook


X


Instagram



LinkedIn


WhatsApp


[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)

© 2025 City of Bradford Metropolitan District Council

Figure 6: Password Reset Page

 **City of
BRADFORD**
METROPOLITAN DISTRICT COUNCIL

[accessibility](#)



Reset Password

**Password reset has been successful,
please log in again.**

[Log In](#)

Council Switchboard : 01274 432111
Council Address : Britannia House, Hall Ings, Bradford BD1 1HX
[Contact us now](#)


 Facebook  X  Instagram  LinkedIn  WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)
© 2025 City of Bradford Metropolitan District Council

Figure 7: Password Reset Page


The Password Reset Page provides users with a secure and straightforward way to regain access to their accounts if they have forgotten their password. It includes an email field where users can enter their registered email address, followed by a "Submit" button to initiate the reset process. Upon submission, users receive a confirmation message indicating that the reset request has been processed. To ensure security, the password reset is handled through encrypted methods, such as an email confirmation link or a verification code, preventing unauthorized access. Once the password is successfully reset, users are provided with a direct link to the login page for a seamless transition. The design emphasizes clarity and usability, featuring clear instructions and robust error handling for invalid or unregistered email addresses, ensuring a frustration-free experience.

5 LOGS PAGE



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

[accessibility](#)



[HOME](#)
[RESET PASSWORD](#)
[USER ACCESS CONTROL](#)
[LOGOUT](#)






Logs

Date	Full Name	Message
2014-05-18 02:20:12 PM	Mustafa Kamran	Activated theme "Independent Publisher", installed in C:\xampp\htdocs\wp-content/themes/independent-publisher
2014-05-18 02:19:57 PM	Mustafa Kamran	Installed theme "Independent Publisher" in C:\xampp\htdocs\wp-content/themes/independent-publisher
2014-05-18 02:19:03 PM	Mustafa Kamran	Moved the meta-2 widget from Primary Sidebar to Content Sidebar
2014-05-18 02:18:50 PM	Mustafa Kamran	Deleted the archives widget from Primary Sidebar
2014-05-18 02:18:39 PM	Mustafa Kamran	Modified the archives widget in Primary Sidebar
2014-05-18 02:18:24 PM	Mustafa Kamran	Added a new archives widget in Primary Sidebar
2014-05-18 02:18:02 PM	admin	Changed the role of user from editor to administrator
2014-05-18 02:17:03 PM	Mustafa Kamran	Changed the date of custom post testete of type movie from 2014-05-18 14:16:29 to 2014-05-18 11:16:29
2014-05-18 02:16:50 PM	Mustafa Kamran	Changed the visibility of custom post testete of type movie from Public to Password Protected
2014-05-18 02:16:29 PM	Mustafa Kamran	Changed the date of custom post testete of type movie from 2014-05-18 14:16:17 to 2014-05-18 14:16:29

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)

 Facebook
  X
  Instagram
  LinkedIn
  WhatsApp


[Cookies](#) |
 [Privacy notice](#) |
 [A to Z](#) |
 [Accessibility statement](#)

© 2025 City of Bradford Metropolitan District Council

Figure 8: Logs Page


The Application Logs Page provides users with a structured and accessible way to view system activity and user interactions. It features a table or list format displaying essential details such as the date and time stamp, full name, and a message describing the actions performed. This ensures transparency and allows users to track system changes or security-related events effectively. To enhance accessibility, the page includes colour customization options to accommodate colour-blind users, ensuring an inclusive experience for all. The design focuses on clarity and usability, making it easy to navigate and interpret log data while maintaining compliance with accessibility standards.

6 USER LIST PAGE



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

[accessibility](#)



[HOME](#)
[RESET PASSWORD](#)
[LOGS](#)
[LOGOUT](#)



User List



	First Name	Last Name	Department	Email	Action
	Mustafa	Kamran	User	m.kamran11@bradford.ac.uk	Accept Deny
	Mohammad Subhaan	Khurram	User	m.s.khurram@bradford.ac.uk	Accept Deny

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)

Facebook X Instagram LinkedIn WhatsApp


[Cookies](#) |
 [Privacy notice](#) |
 [A to Z](#) |
 [Accessibility statement](#)

© 2025 City of Bradford Metropolitan District Council

Figure 9: User List Page


The User Management Page provides administrators with a structured interface to manage user accounts efficiently. It displays a list of all registered users, including essential details such as full name, email address, and department, allowing admins to review user information immediately. A dedicated "Action" tab enables administrators to accept or deny user access to the website, ensuring controlled and secure account management. The page also maintains a clear distinction between user roles, ensuring that admins have the necessary privileges while regular users have restricted access. The design prioritizes clarity and ease of use, enabling seamless decision-making while maintaining security and role-based access control.

7 HOME PAGE

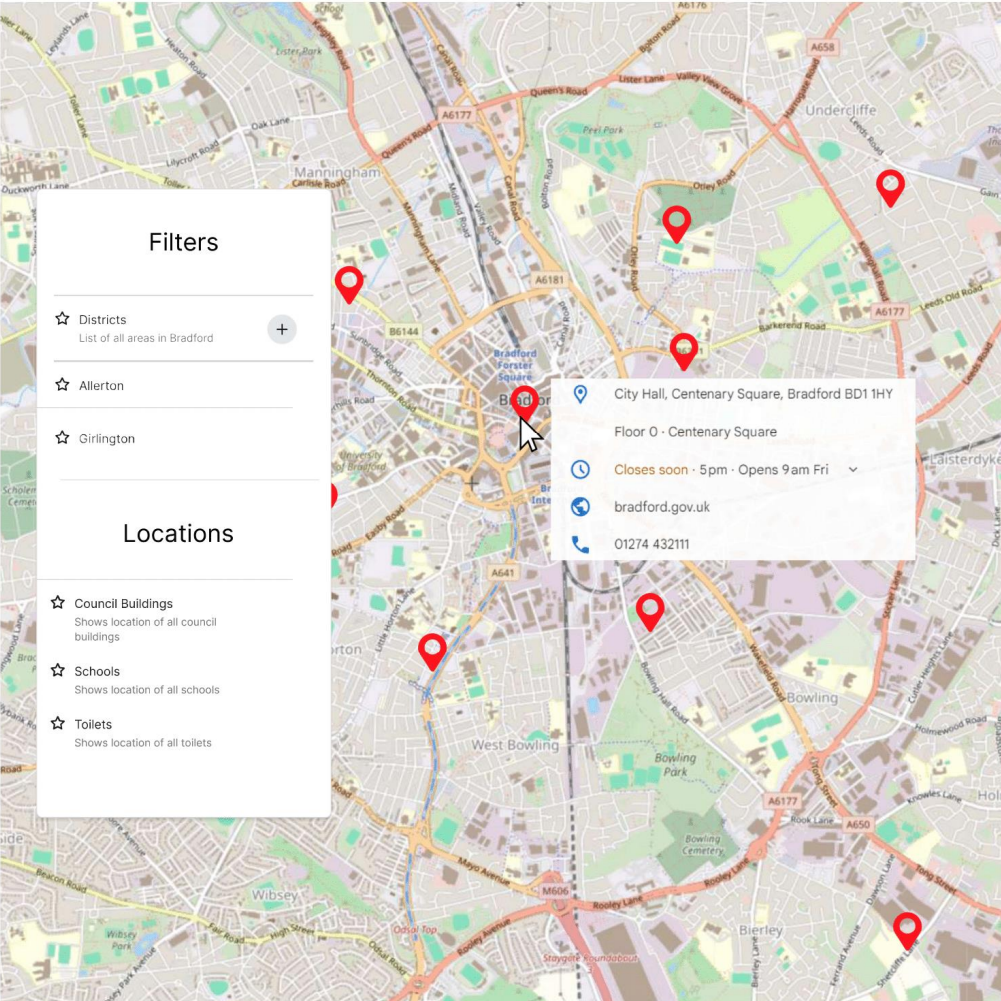


City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

[login](#) [accessibility](#)



[HOME](#) [RESET PASSWORD](#) [LOGS](#) [USER ACCESS CONTROL](#) [LOGOUT](#)



Filters

- Districts
List of all areas in Bradford
- Allerton
- Girdlington

Locations

- Council Buildings
Shows location of all council buildings
- Schools
Shows location of all schools
- Toilets
Shows location of all toilets

City Hall, Centenary Square, Bradford BD1 1HY

Floor 0 - Centenary Square

Closes soon - 5pm · Opens 9am Fri

bradford.gov.uk

01274 432111

[Upload datasets](#)

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

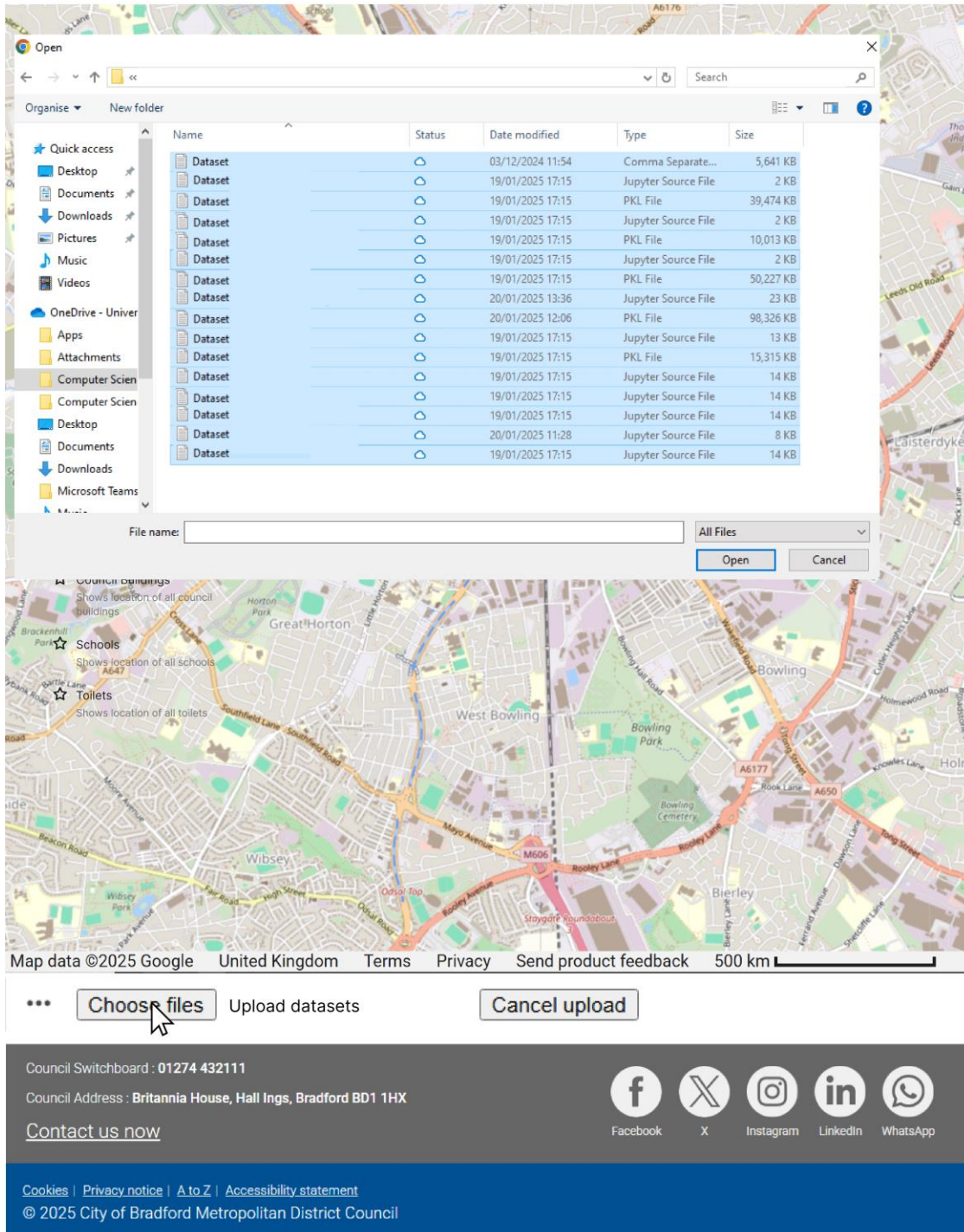
[Contact us now](#)

Facebook X Instagram LinkedIn WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)

© 2025 City of Bradford Metropolitan District Council

Figure 10: Home Page

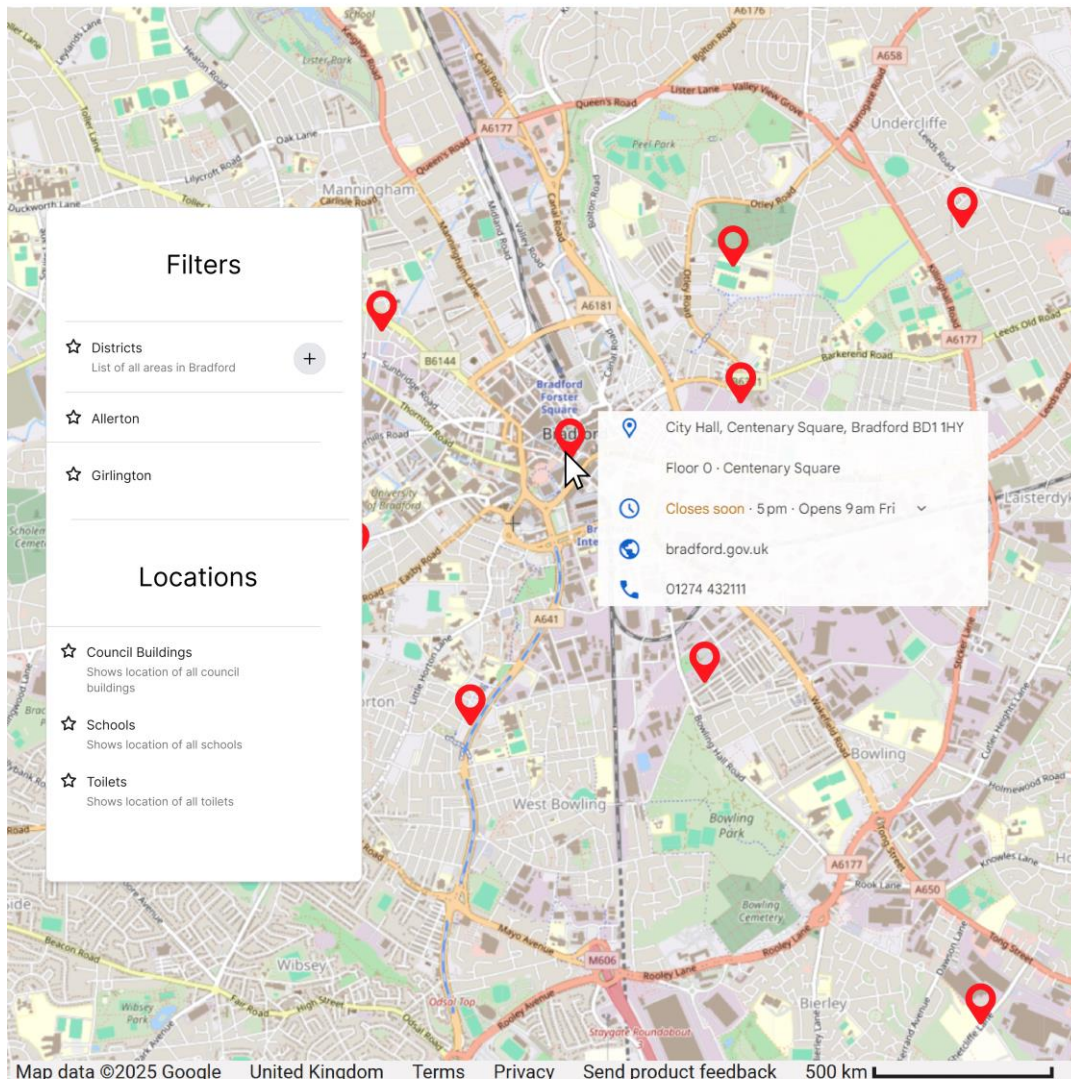


The screenshot displays the 'Upload Dataset' page. At the top, there is a navigation bar with links: HOME, RESET PASSWORD, LOGS, USER ACCESS CONTROL, PERMISSIONS, and LOGOUT. Below this is a header section with the City of Bradford logo, an accessibility link, a search bar labeled 'Search datasets', and a user profile icon.

The main content area features a map of Bradford. Overlaid on the map is a file selection dialog box. The dialog shows a list of files with columns: Name, Status, Date modified, Type, and Size. The files are all named 'Dataset' and have various file types including 'Comma Separate...', 'Jupyter Source File', and 'PKL File'. The 'File name' field is empty, and the 'All Files' filter is selected. The 'Open' button is highlighted.

Below the map, there is a section with a 'Choose files' button (with a cursor icon), an 'Upload datasets' button, and a 'Cancel upload' button. At the bottom, there is a footer section containing contact information for the Council Switchboard (01274 432111), the Council Address (Britannia House, Hall Ings, Bradford BD1 1HX), and a 'Contact us now' link. Social media icons for Facebook, X, Instagram, LinkedIn, and WhatsApp are also present. The footer also includes links for Cookies, Privacy notice, A to Z, and Accessibility statement, and a copyright notice for 2025 City of Bradford Metropolitan District Council.

Figure 11: Upload Dataset Page



... [Choose files](#) Upload datasets

- **Dataset1.csv(text/csv)** - 5775713 bytes, last modified: 03/12/2024 - 100% done

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)



Facebook



X



Instagram



LinkedIn



WhatsApp

[Cookies](#) | [Privacy notice](#) | [A to Z](#) | [Accessibility statement](#)

© 2025 City of Bradford Metropolitan District Council

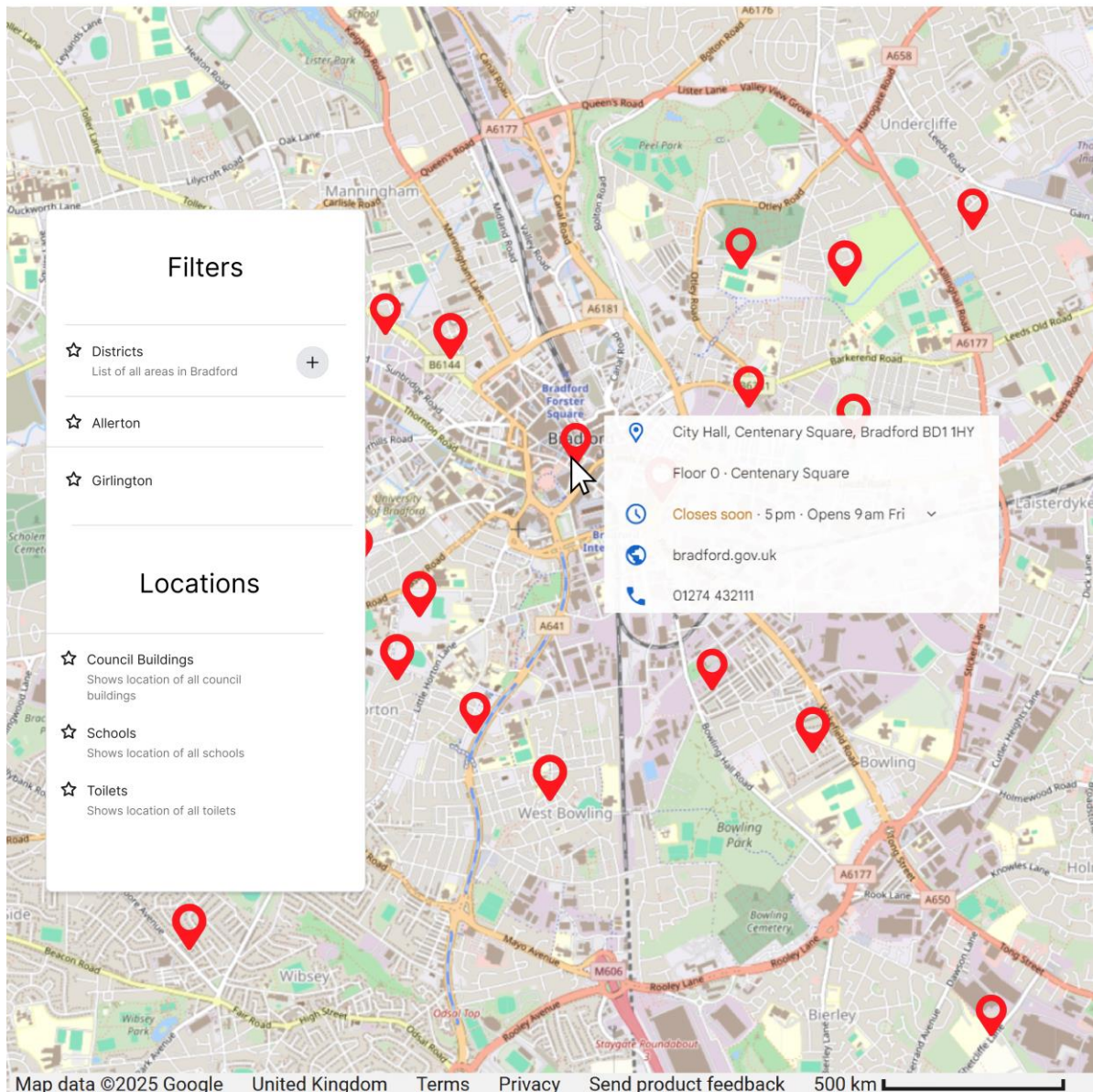
Figure 12: Home Page

Filters

- ☆ Districts
List of all areas in Bradford
- ☆ Allerton
- ☆ Girdlington

Locations

- ☆ Council Buildings
Shows location of all council buildings
- ☆ Schools
Shows location of all schools
- ☆ Toilets
Shows location of all toilets



Map data ©2025 Google United Kingdom Terms Privacy Send product feedback 500 km

... [Choose files](#) Upload datasets

- **Dataset1.csv**(text/csv) - 5775713 bytes, last modified: 03/12/2024 - 100% done
- **Dataset1.csv**(text/csv) - 5775713 bytes, last modified: 03/12/2024 - 100% done

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)



Facebook



X



Instagram



LinkedIn



WhatsApp


The Main Landing Page serves as the central hub for users after logging in, providing essential tools and navigation options. It prominently features an interactive map of Bradford, integrated with Google Maps, offering dataset-based filtering for refined searches and click-based dataset access for quick navigation. Users can click on map pins to access detailed information about specific areas or datasets, ensuring an intuitive and interactive experience.

Additionally, the page supports dataset uploads, allowing users to either upload individual files or batch-upload multiple datasets at once. A well-organized navigation menu provides quick access to key sections such as logs, user lists, and account settings, ensuring smooth transitions between pages.

The design prioritizes a clean and uncluttered layout, optimizing the viewing experience for the map and its functionalities. Built with a responsive design, the page ensures accessibility and functionality across desktop devices. It adheres to WCAG (Web Content Accessibility Guidelines), incorporating features such as colour contrast adjustments and keyboard navigation support for inclusivity.



Furthermore, the system follows best security practices, implementing secure authentication methods, data encryption, and regular security updates to protect user data and maintain system integrity.

8 PERMISSIONS PAGE



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

accessibility

[HOME](#)
[RESET PASSWORD](#)
[LOGS](#)
[USER ACCESS CONTROL](#)
[PERMISSIONS](#)
[LOGOUT](#)






Permissions

First Name	Last Name	Department	Requests	Change dataset access	Dataset owner approval status	Change dataset access
Mustafa	Kamran	Adult	Mustafa Kamran requests access to child datasets	<div> <div>Select datasets</div> <div>Child datasets</div> <div>Adult datasets</div> </div>	<div>Pending</div> <div>Approved</div> <div>Denied</div>	Approve Deny
Mohammad	Subhaan	User	Mohammad Subhaan request access to adult datasets	<div> <div>Select datasets</div> <div>Child datasets</div> <div>Adult datasets</div> </div>	<div>Pending</div> <div>Approved</div> <div>Denied</div>	Approve Deny
Talhah	Farooq	Child	Talhah Farooq request access to datasets	<div> <div>Select datasets</div> <div>Child datasets</div> <div>Adult datasets</div> </div>	<div>Pending</div> <div>Approved</div> <div>Denied</div>	Approve Deny
Sahil		Child	Sahil request access to datasets	<div> <div>Select datasets</div> <div>Child datasets</div> <div>Adult datasets</div> </div>	<div>Pending</div> <div>Approved</div> <div>Denied</div>	Approve Deny

Council Switchboard : 01274 432111

Council Address : Britannia House, Hall Ings, Bradford BD1 1HX

[Contact us now](#)

Facebook X Instagram LinkedIn WhatsApp

[Cookies](#) |
 [Privacy notice](#) |
 [A to Z](#) |
 [Accessibility statement](#)

© 2025 City of Bradford Metropolitan District Council

Figure 13: Permissions Page

The Permissions Page allows administrators to manage dataset access requests, ensuring role-based visibility. New features include cross-department access control, allowing admins to grant dataset access across different departments, with dataset owner authorization required before final admin approval. Instead of full dataset access, users can be granted access to specific datasets, allowing dataset owners to approve only a subset of datasets and submit for final admin approval.

An improved approval workflow ensures that users request access, dataset owners approve specific datasets, admins finalize the approval, and approved users see only the datasets granted to them. UI enhancements include dropdown selection for dataset access, approval status indicators (Pending, Approved, Denied), and logs tracking user permissions for audit purposes.

APPENDIX: UI WIREFRAMES

9 HOMEPAGE

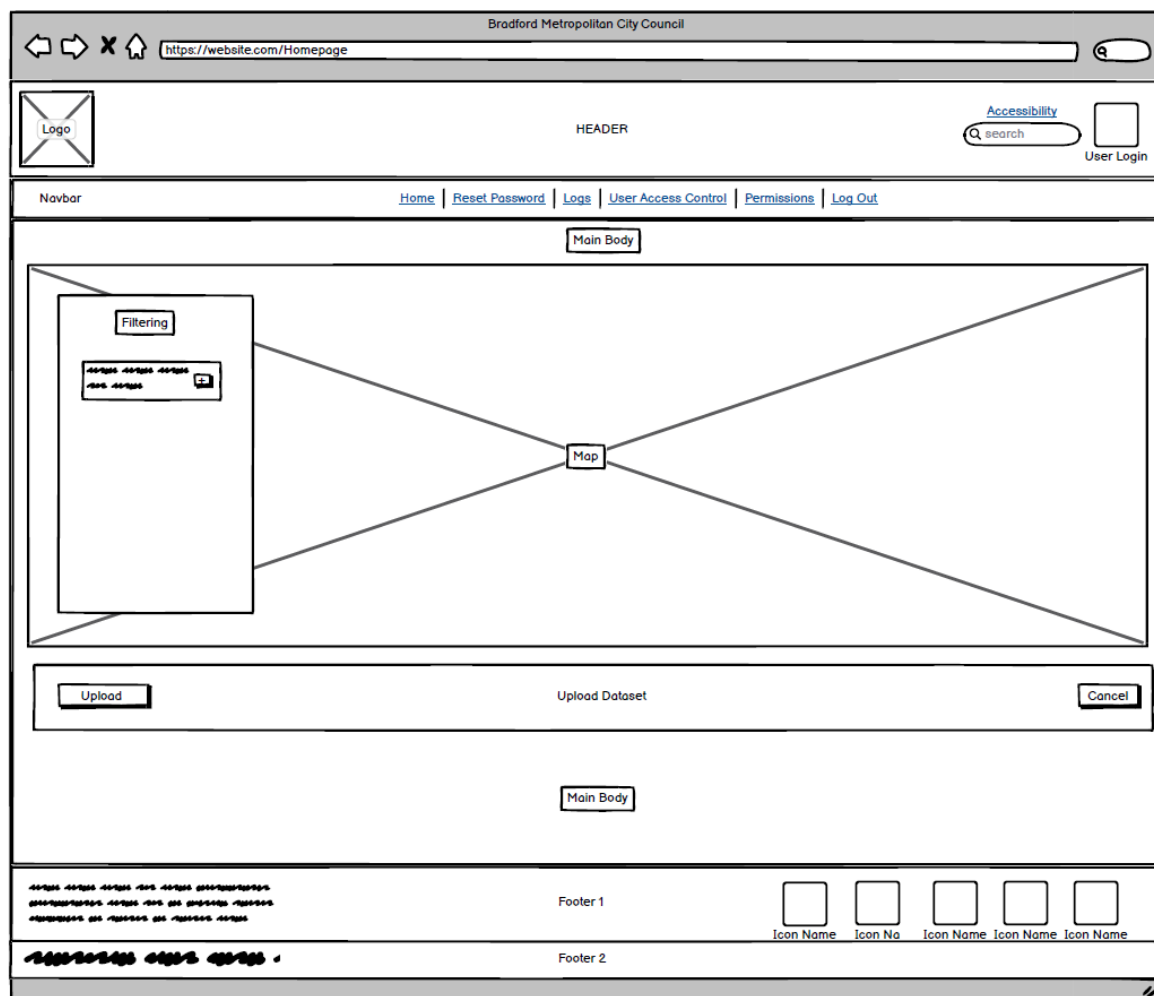


Figure 14: Homepage Wireframe

10 LOGIN PAGE

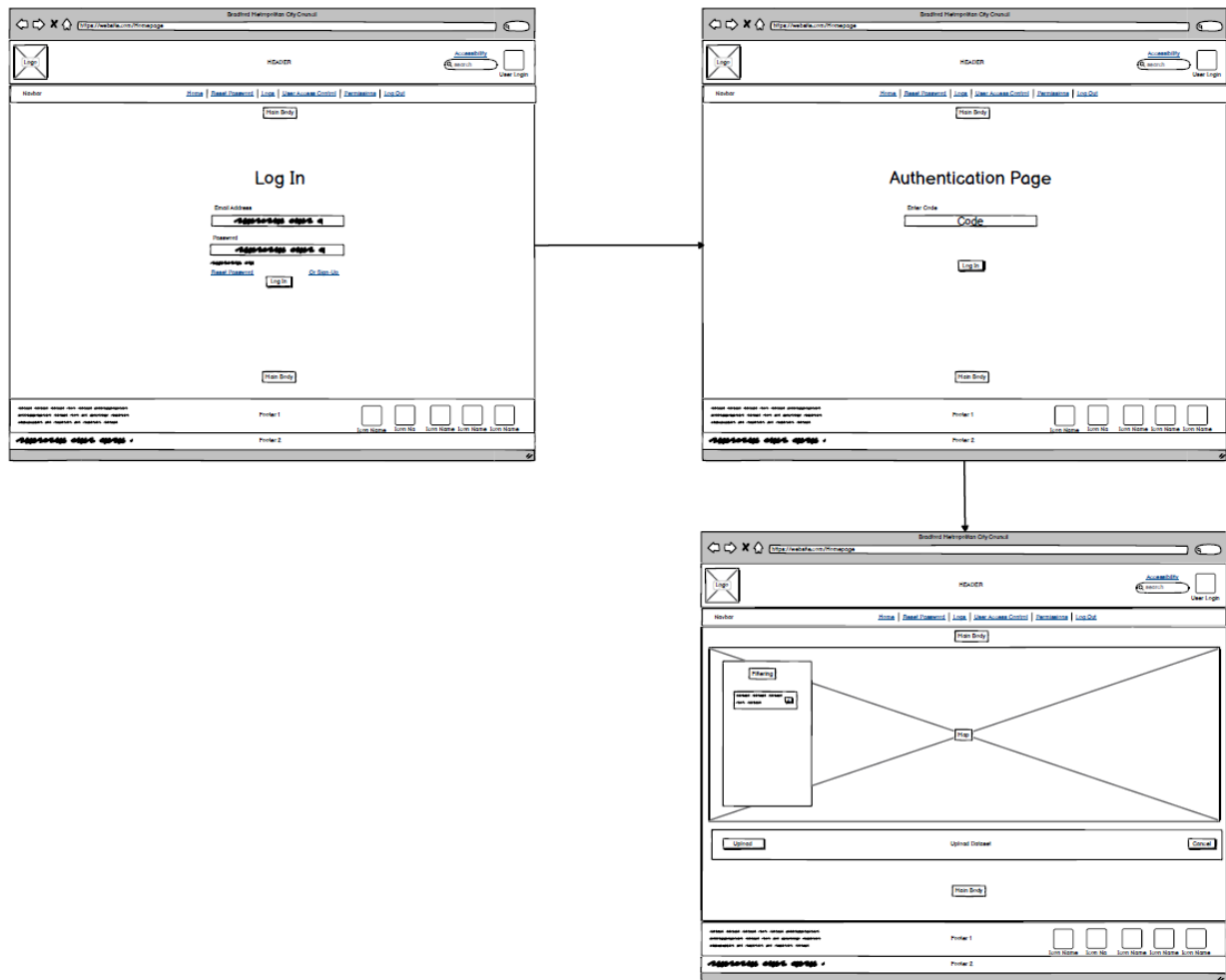


Figure 15: Login Wireframe

11 SIGNUP PAGE



Bradford Metropolitan City Council

https://website.com/Homepage

Logo

HEADER

Accessibility

search

User Login

Navbar

[Home](#) | [Reset Password](#) | [Logs](#) | [User Access Control](#) | [Permissions](#) | [Log Out](#)

Main Body

Sign Up

First Name

Second Name

Department

Password

Re-enter Password

[Log In](#)

Main Body

Footer 1

Icon Name Icon Na Icon Name Icon Name Icon Name

Footer 2

Figure 16: Signup Wireframe

12 PASSWORD RESET PAGE



Figure 17: Password Reset Wireframe

13 LOGS PAGE

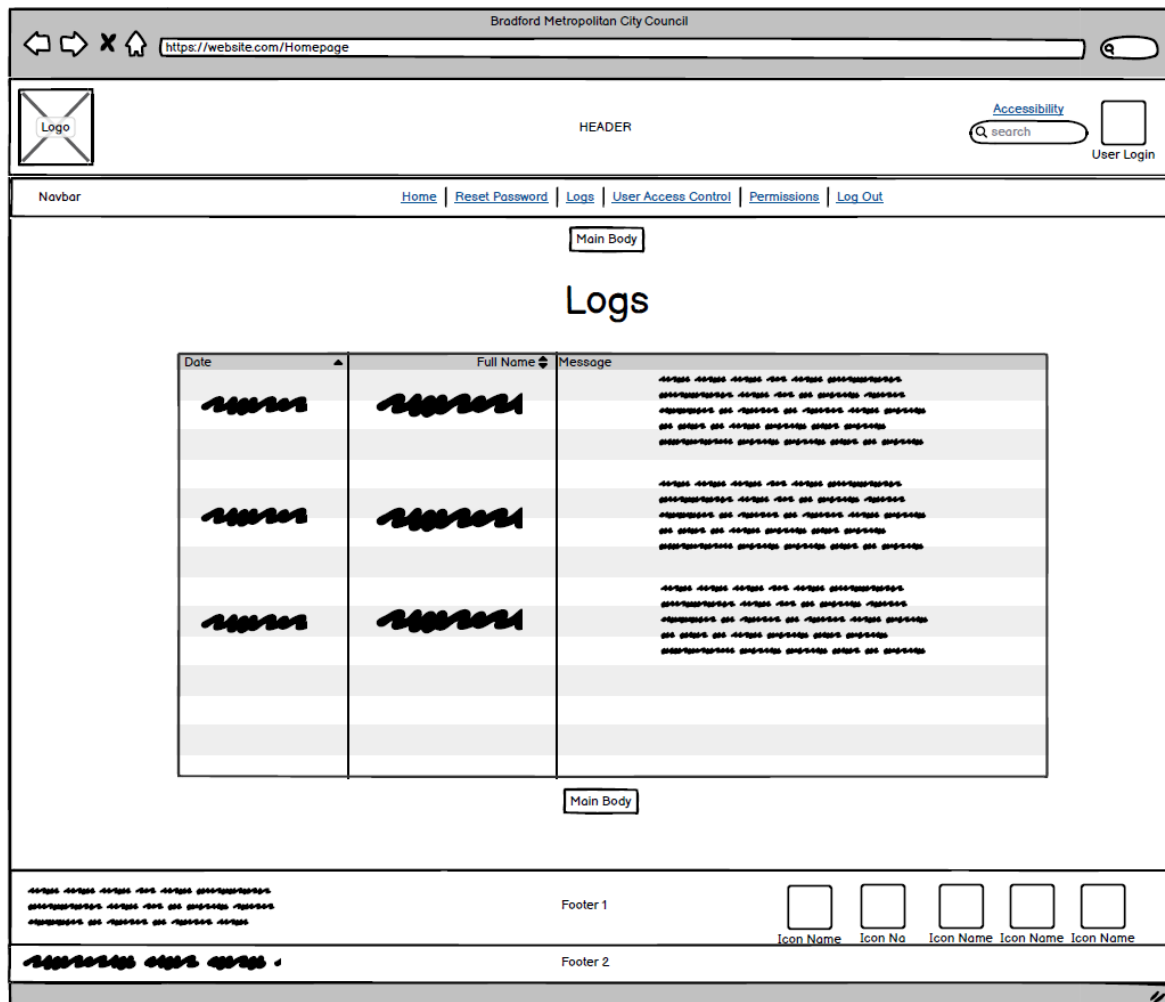


Figure 18: Logs Wireframe

14 USERLIST PAGE

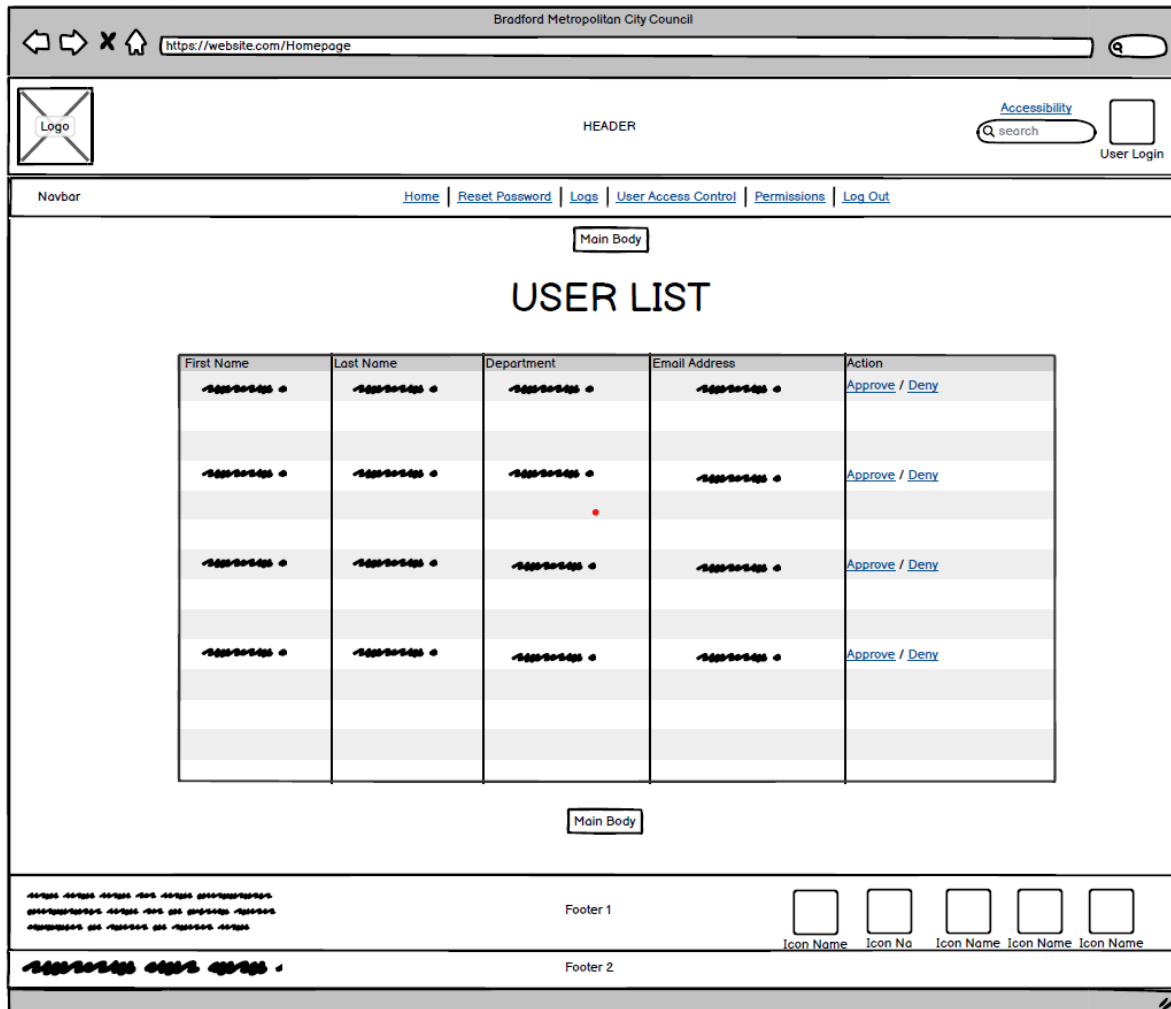



Figure 19: User list Wireframe

15 PERMISSIONS PAGE

Bradford Metropolitan City Council
https://website.com/Homepage



Accessibility
search

User Login

Home
Reset Password
Logs
User Access Control
Permissions
Log Out

Main Body

Permissions

First Name	Last Name	Department	Requests	Select Dataset	Dataset Owner Approval Status	Change Dataset Access
					Pending Approved Rejected	Approve / Deny
					Pending Approved Rejected	Approve / Deny
					Pending Approved Rejected	Approve / Deny
					Pending Approved Rejected	Approve / Deny

Main Body

Footer 1

Icon Name
Icon No
Icon Name
Icon Name
Icon Name

Footer 2

Figure 20: Permissions Wireframe

X

Yunus Mayat
Enterprise Architect and Systems Services Mana...

X

Mustafa Kamran

Mustafa Kamran
Team Leader (Team 14)