

Project Brief

The goal of the WW1 Bradford Database project is to conserve and grow the historical records of Bradford residents and those in the surrounding areas who served in the military or in occupations related to the conflict during World Conflict I. Founded in 1832, the Bradford Mechanics Institute Library has long served as a hub for adult education, and this project builds on previous efforts by the WW1 Bradford Group, which was founded in the 1980s. Their goal is to compile and record the names of locals who served in the Great War and to offer tools for additional study into their experiences.

As part of this ongoing effort, the project will create a **master database** that not only tracks the names of those who served but also includes related data such as:

- Names of individuals buried in Bradford
- Names recorded on local war memorials
- References to newspaper articles documenting their stories
- Biographical information, including media and text

SQL will be used to create the database, which will be accessed through a web interface that facilitates searching and viewing of the data. The intention is to develop a dynamic resource for the public, scholars, and historians to learn more about Bradford's role in the war effort.

Approach and Development

This project will be carried out by a **seven-member team**, each responsible for different aspects of development and implementation. Here's how the work will be divided:

1. **Database Design & Structure:** In order to store all the required data, the database must first be designed and structured. To manage both the fundamental and specific data about people, memorials, and related records, tables, relationships, and fields will need to be defined
1. **Web Frontend Development:** An intuitive user interface that is easy to use for both administrators and visitors will be created. Forms, search capabilities, and a dashboard that lets users choose and browse the databases are all part of the interface.
3. **Admin Access & Security:** Both administrator and visitor users will have password security incorporated into the system. While administrators will have full access, including the ability to add, edit, remove, import, and export data, guest users will

only have view-only access. There will be robust access control measures in place to safeguard the data's integrity.

4. **Import/Export Functionality:** Admins will have the ability to **import and export data**, ensuring that the database can be easily updated with new information or shared with others. This feature will ensure that the database is always growing and evolving.
5. **Responsive Design & Interface:** In order to provide a clear and engaging user experience, frontend forms will be made to fill the entire screen. Users will be able to view and interact with the database from a variety of devices thanks to the mobile-friendly design.
6. **Local Hosting:** The final database and web application will be **hosted locally** on a laptop, making it accessible offline for convenient use during research or public events.

Team Responsibilities

Each member of the seven-person team will be assigned specific roles to ensure a smooth development process:

1. **Project Manager:** In charge of overseeing the entire undertaking, making sure that all deadlines are fulfilled, and facilitating communication amongst the various positions.
1. **Database Administrator:** Creating the SQL database structure, overseeing data connections, and guaranteeing data accuracy.
1. **Frontend web developer:** creating the user interface and making sure it is completely responsive and easy to use.
1. **Web Developer (Backend):** Developing the server-side features that link the frontend and database and guarantee seamless user interactions.
1. **Security Specialist:** Protecting sensitive data, establishing access privileges, and putting password security into practice.
1. **Quality Assurance Tester:** Verifies that the program satisfies the required standards and checks it for errors and usability problems.

1. **Documentation & Content Specialist:** creating biographies, organising and presenting data, and preparing any content that may be required for the website.

Timelines and Milestones

All 7 members of this project will be working towards 2 separate deadlines which have been pre-determined by the module leader. The first deadline for this project will be on the 7th of March when the group must provide a prototype of the software along with documentation regarding the implementation of the prototype along with the requirements and specifications of the project.

The second deadline that the group will be working towards is set 12 weeks after the group assignment (a specific date has not been set yet) . At this deadline, the group is expected to deliver a finalised version of the project including the final code and testing which has to meet all the project's requirements. In addition to this, the group must deliver documentation of the implementation of the final version. This final version will be delivered to both the module leader and the client for review.

The group will be responsible for having regular meetings regarding the progression of the project from the start to the end. All meeting minutes will be recorded and submitted for both deadlines for review.

Data privacy, consent and confidentiality

Within the software development, the group is required to ensure that there is a high level of security maintained throughout the entire project as well as making sure that the best programming practices are implemented for better encryption and data protection.

In order to keep a high level of confidentiality throughout the project, every member of the group will be made to sign a non-disclosure agreement(NDA) .T his document signed by each member will ensure that there is no unauthorised spread of any information regarding the client without their consent.

Evaluation and success criteria

The group will have full responsibility for making sure that the project is up to standard and meets all requirements that have been set by the client as well as the university. These responsibilities will be divided equally between all team members to ensure a large scope of testing has been completed to maintain a high level of integrity within the code.

Ensuring uniqueness

As this project will be assessed by the university as well as the client, the group is expected to adhere to the university plagiarism rules to ensure all work is original. This means that there will be no use of specific resources such as artificial intelligence and 3rd party involvement