

● HANDOVER APP

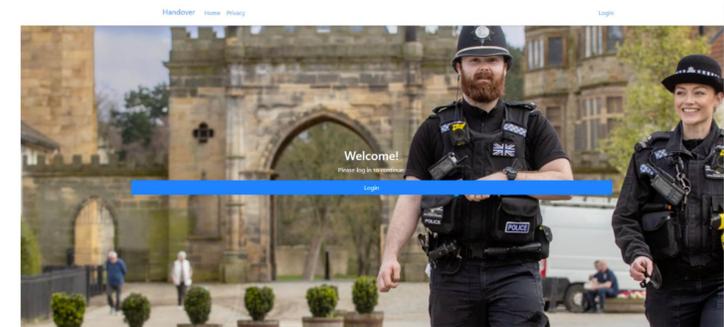
POLICE CASE HANDOVER PLATFORM

Operational workflow and data capture system

I worked with Durham Constabulary to support the design and development of a digital handover and investigation planning platform. The solution was built to improve case documentation, approval workflows, auditability, and structured data capture.

Masood BAI

Project case study



What I worked on

I helped develop a digital system for police arrest documentation and case handovers. The platform was designed to support officers and supervisors with structured case recording, review, approval, and traceable updates.

Core contribution

My work focused on interface design, form structure, form submission, login flow, SQL Server database support, approval workflow design, and change tracking. I also contributed to requirement gathering, stakeholder discussions, and project presentations.

Data-focused strengths

This project was not only about front-end delivery. It also involved structured data capture, schema thinking, entity relationships, audit trail design, data validation, and workflow logic across multiple records and approval states.

SQL

Server database and schema

UI

Blazor and MVC pages

Audit

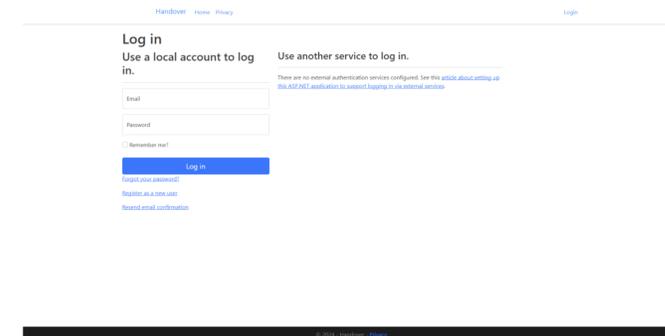
Change log and version trail

Approvals

Supervisor review workflow

Validation

Structured handover form logic



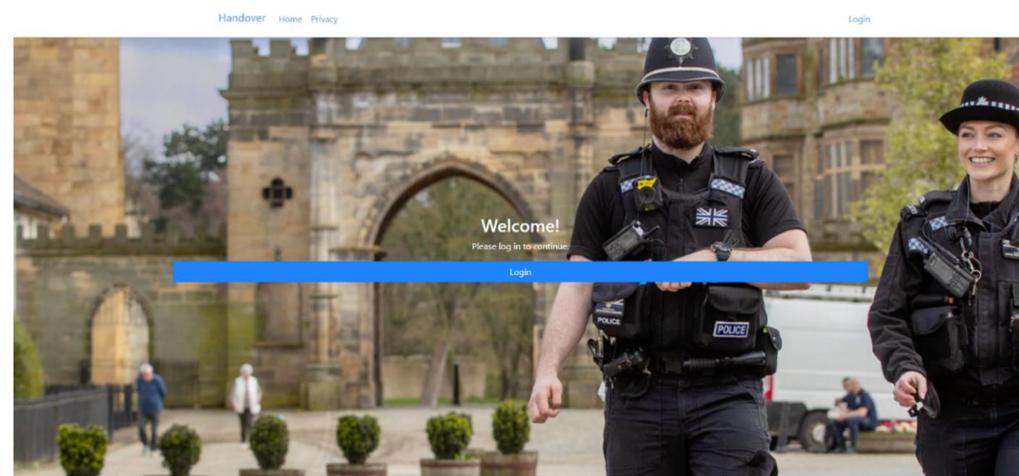
Secure login workflow with user access control

How the platform works

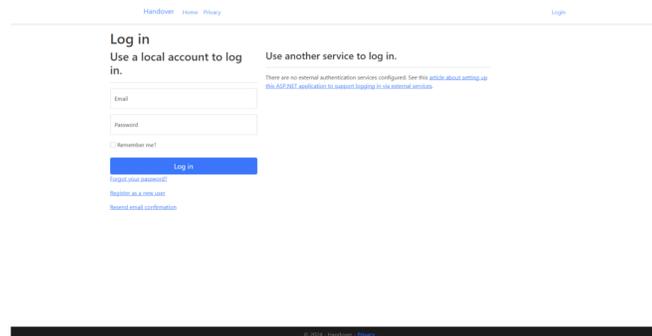
- Users enter the system through a secure login flow.
- Officers complete a structured investigation plan form with key fields such as summary, linked crimes, officer and supervisor allocation, THRIVE assessment, evidence and stakeholder planning.
- Submitted records can be reviewed and progressed through supervisor approval steps.
- The change log records actions and updates to improve accountability and audit visibility.

Technology used

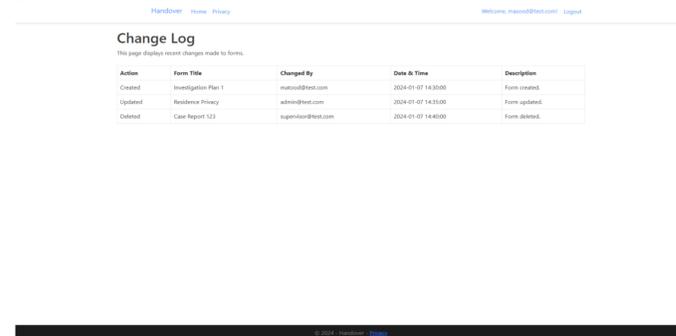
ASP.NET Core MVC, Blazor, SQL Server, ASP.NET Identity, structured forms, approval tracking



Landing page used as the entry point to the system



Login page



Change log page

Form design and structured data capture

The screenshot shows the top portion of a web form titled "Investigation Plan Form". At the top, there are navigation links: "Handover", "Home", and "Privacy". On the right, there is a user greeting: "Welcome, masood@test.com!" and a "Logout" link. The form is divided into several sections:

- Case Summary**: A large text input field for "Summary of Events".
- Crimes Recorded**: A text input field.
- POLE Map Links**: A text input field.
- General Information**:
 - Linked Crimes**: A text input field with a placeholder "Enter crime reference numbers".
 - Officer Responsible**: A dropdown menu with "Select Officer" as the current selection.
 - Supervisor Responsible**: A dropdown menu with "Select Supervisor" as the current selection.
- THRIVE Assessment**: A text input field for "Threat".

Investigation plan form - case summary, officer allocation and THRIVE fields

The screenshot shows the bottom portion of the web form. It includes:

- Evidence Details**: A table with three columns: "Item Description", "Relevance", and "Storage Location". Each column has a corresponding text input field.
- Plans for Key Stakeholders**: A text input field for "Identified Vulnerabilities".
- Support Services Referral**: A dropdown menu with "Select Agency" as the current selection.
- Checkboxes**: Two checkboxes: "Victim Needs Assessment Completed" and "Victim Personal Statement (VPS) Completed".
- Evidence and Data**:
 - Device Seizure Details**: A table with three columns: "Device Type", "ERP Reference", and "Consent Status". Each column has a corresponding text input field.
 - Evidence Collection Plan**: A large text input field.
- Submit**: A blue button.
- Footer**: A black bar at the bottom with the text "© 2024 - Handover - Privacy".

Investigation plan form - stakeholder, evidence and submission fields

Why this is relevant from a data perspective

The form design required more than screen layout. It involved thinking about field structure, controlled inputs, record consistency, entity relationships, and how data would move from the interface into the database in a reliable format. This project demonstrates data capture design, validation awareness, and workflow-oriented system thinking.

What this project demonstrates

This project shows my ability to contribute to a real operational platform where structured data, workflow control, usability, and accountability all matter. I worked across both interface and data-related areas, including form design, database thinking, authentication flow, approval workflow, and audit trail visibility.

Key strengths shown in this work

- Requirement gathering and stakeholder communication with Durham Constabulary
- Structured form design for complex operational case data
- SQL Server database support, schema thinking, and entity relationships
- Approval workflow and change log design for traceability
- User-centred interface development using Blazor and ASP.NET Core MVC

Final outcome: I helped shape a secure, structured case handover solution that improved workflow clarity, accountability, and data capture quality.