Hackathon Abstract

Project Title: Sealio

Team Name: The Phoques

Theme Chosen: Old is Gold

Type: Web Server 3: Media Streaming Server

Problem Statement:

In today's streaming service world, you need to be subscribed to a multitude of expensive streaming platforms just to watch all the movies and TV shows you want to watch, and that quickly adds up to a huge monthly subscription cost. Instead of feeling convenient, streaming has become fragmented and frustrating, with different services competing for exclusivity and splitting content across multiple paywalls. On top of the price, many platforms are also continuously making the user experience worse over time, not better. Lower tiers are beginning to include ads, basic features get locked behind more expensive plans, and even things like higher resolutions or better audio are treated like "premium perks" instead of standard quality. As a result, users are paying more while getting less control, less simplicity, and a less enjoyable viewing experience overall.

Solution:

A website that gives access to our database of videos with NO subscription cost, designed to prioritise user experience rather than profitability. Users can browse and search for content and start streaming straight away through a clean, responsive player with key features. On the backend, the library is stored and organised in a structured way, plus an upload area so new videos can be added, edited, and organised easily as the database grows. Overall, the goal is a fast, consistent, simple to use, distraction free experience with no ads, upselling, or unnecessary distractions. Just straightforward access to content in one place.

Team Composition / Initial Roles:

Dominik: (Seal image finder) – Backend developer for web (HTML, JavaScript) and server maintenance (PostgreSQL, Node.js integration)

Sarah: (Seal organiser) - Server setup & database integration: Set up the server and database, organises video storage and metadata, and connects everything so everything uploads and streaming works reliably.

Finnán: (Seal developer) - Frontend/UI designer: Design and build the website interface (browse, search, video pages, player) and makes sure it's clean, responsive, and easy to use.