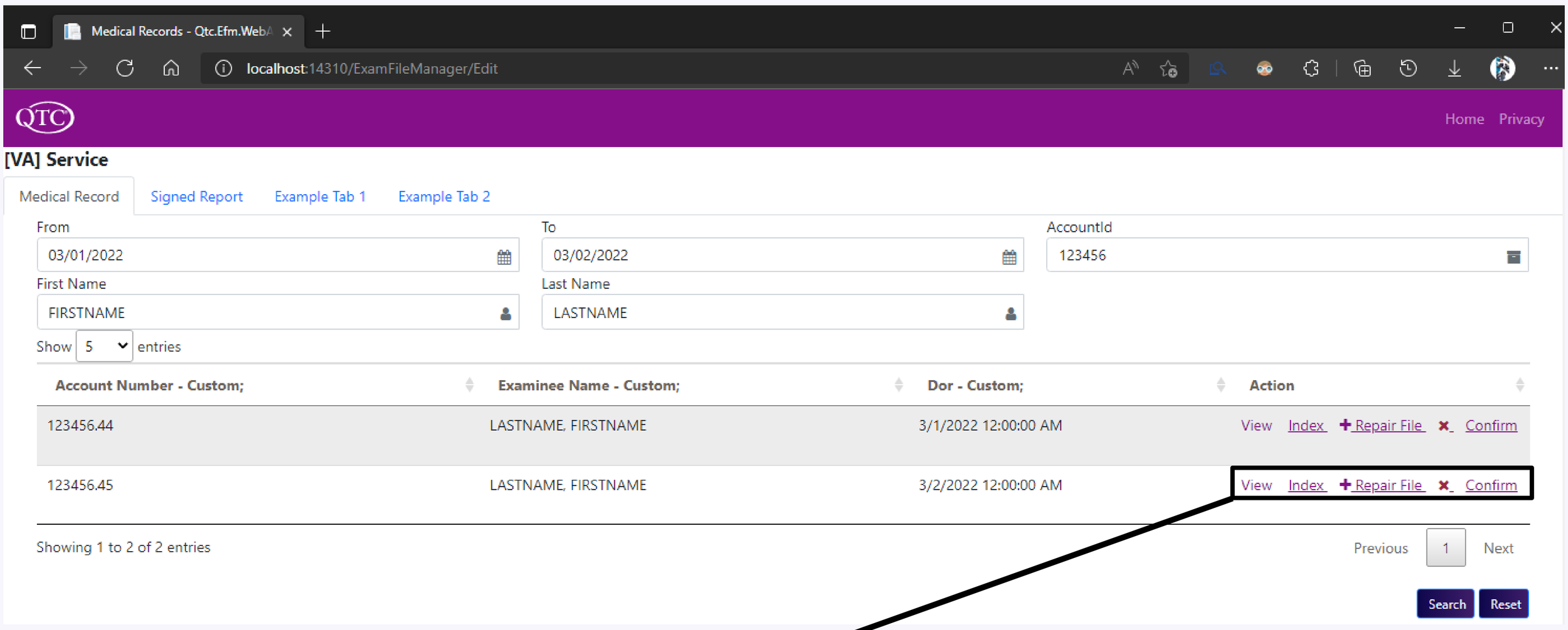
# HELIX (Exam File Manager)

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## Project Objective – Redesign a Web Application for Extensibility

- QTC, a leading provider of occupational health and disability examinations, requires a web application to allow personnel to view and search through a high volume of medical documents.
- Helix – Exam File Manager web application that allows clients to manage files for their respective business.
- The web application needs to allow for custom business logic (unique to each business) to be independently developed, compiled, and added to the application via ".dll" assembly plugins.







## Features (Implemented as Interfaces)

A common library is provided to a developer to implement features as per requirements unique to each respective business.

*--Every feature is implemented as an interface to create a robust and customizable experience per line of business--*

## Extensibility through Plugins

- Each line of business creates a new project that implements the application's common libraries
- After library classes are implemented, project is compiled to a ".dll" Plugin.
- On application startup, the assembly (.dll) plugins are scanned. The logic contained in the ".dll" plugin is dynamically extended to the application.

## Technologies Used