HELIX (Exam File Manager)

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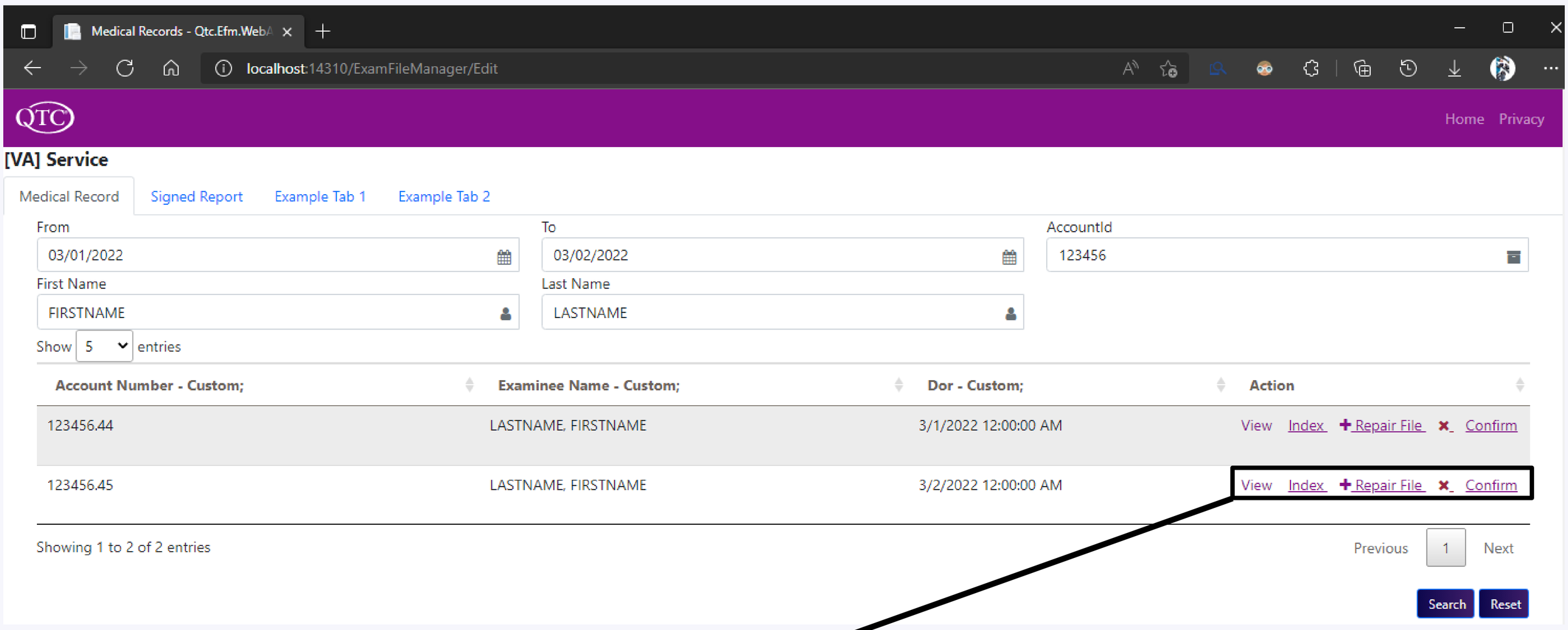
Project Objective – Redesign a Web Application for Extensibility

- 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