**FISCAL ROI Calculator - Revised Hackathon Scope**

**Overview**

A Docker-based web application that calculates Return on Investment (ROI) for FISCAL Technologies' Statement Reconciliation solution. This 2-day hackathon project will showcase the potential of AI tools like Cursor and Lovable to accelerate development, with deployment on Azure.

**Business Value**

The FISCAL ROI Calculator will demonstrate value to prospects during sales processes and help set realistic expectations during customer onboarding. By translating technical capabilities into financial benefits, we can make a more compelling case for FISCAL's solutions.

**Simplified Scope for 2-Day Hackathon**

**What We're Building**

* **Core ROI calculator** for Statement Reconciliation
* **Two output modes**:
  + Sales view (focused on demonstrating financial value)
  + CSM view (focused on customer onboarding and goal setting)
* **Admin settings panel** instead of role-based permissions
* **Internal use only** application
* **No data persistence** required
* **Deployed on Azure** as a containerized application

**What We're NOT Building**

* User authentication system
* Role-based access controls
* Data persistence layer
* Analytics tracking
* Customer-facing version
* Mobile optimization

**Target Users**

* **Sales team**: For demonstrating financial ROI to prospects
* **Customer Success Managers**: For setting customer goals during onboarding

**Key Features**

**Input Interface**

* Simple, guided input process with explanatory tooltips
* Interactive controls for key parameters:
  + Number of statements
  + Annual spend
  + PO match percentage
  + Years since last audit
* Admin/Advanced settings toggle for configuration options

**Output Modes**

* **Sales Output**: Focused on financial ROI metrics
  + Cost savings breakdown
  + 3-year ROI projection
  + Payback period
  + ROI multiples
* **CSM Output**: Focused on operational metrics
  + Expected number of credits to be found
  + Expected value of credits
  + Missing invoice projections
  + Implementation milestone recommendations

**Configuration Options**

* Admin panel to adjust calculation parameters and assumptions
* Toggle between Sales and CSM output modes
* Option to hide pricing details in exported materials

**Export Functionality**

* Export results to PDF for inclusion in sales materials
* Export key metrics as images for presentations
* Send email with attachments

**Technology Stack**

**Frontend**

* React.js with Bootstrap or Material UI
* Chart.js for data visualization
* **AI-Assisted Development** using Cursor for code completion

**Backend**

* .net Core with C# API
* **AI-Assisted Development** using Lovable for implementing business logic

**Deployment**

* Docker containerization
* Azure App Service or Azure Container Instances

**Acceptance Criteria**

**Core Functionality**

* [ ] Calculator accepts all required inputs
* [ ] Calculator performs accurate ROI calculations
* [ ] Admin settings can adjust key calculation parameters
* [ ] User can toggle between Sales and CSM output modes
* [ ] Results can be exported in presentation-ready format
* [ ] All the elements in the application work and there are no bugs

**User Experience**

* [ ] Interface follows FISCAL branding guidelines
* [ ] Input controls are intuitive and responsive
* [ ] Output is visually appealing and clearly presented
* [ ] Explanations of calculations are clear and transparent
* [ ] Export functionality works as expected

**Technical Requirements**

* [ ] Application is containerized with Docker
* [ ] Application is deployable to Azure
* [ ] Code is well-structured and documented
* [ ] AI tools are utilized effectively in development process

**AI-Assisted Development Focus**

**Using Cursor**

* Generating component skeletons
* Implementing interactive input controls
* Creating data visualization components
* Styling with FISCAL branding

**Using Lovable**

* Implementing calculation algorithms
* Creating explanation content
* Developing data transformation logic
* Generating test scenarios

**Demonstration Plan**

* 5-minute presentation of working application
* Show how AI tools accelerated development
* Compare development time with traditional approaches
* Highlight potential business impact
* Showcase both Sales and CSM output modes

**Success Metrics for Hackathon**

* Working prototype deployed on Azure
* Demonstration of AI tools' contribution to development
* Positive feedback from Sales and CSM stakeholders on respective output modes
* Clear path identified for potential production implementation