MICHIGAN STATE UNIVERSITY

Alpha Presentation Dealer Improvement Recommender System

The Capstone Experience

Team Urban Science

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Project Overview

- Four components
 - SQL database
 - Application server
 - Web client
 - iPad app extension

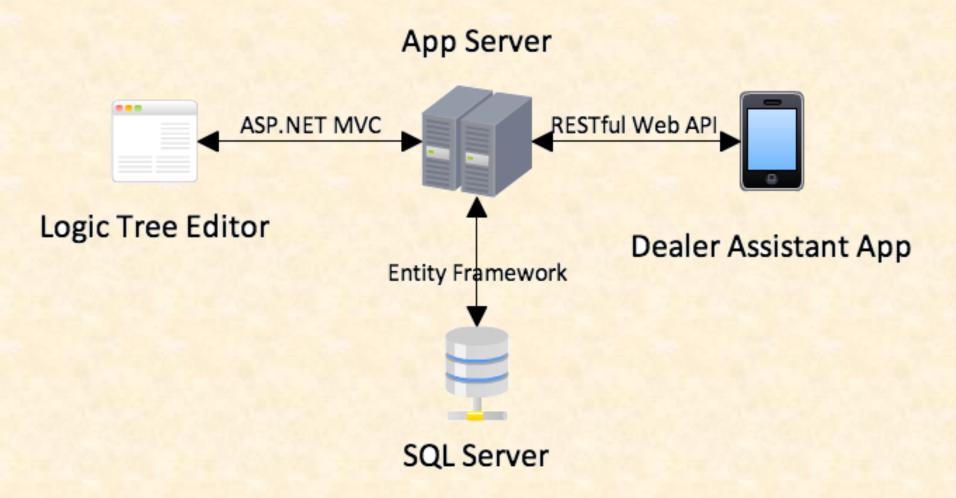
Project Overview

- Web client
 - Visually displays the Logic Tree model
 - Provides a way for users to edit the Logic Tree
- iPad app extension
 - Create action plans for dealerships
 - Read-only access to database

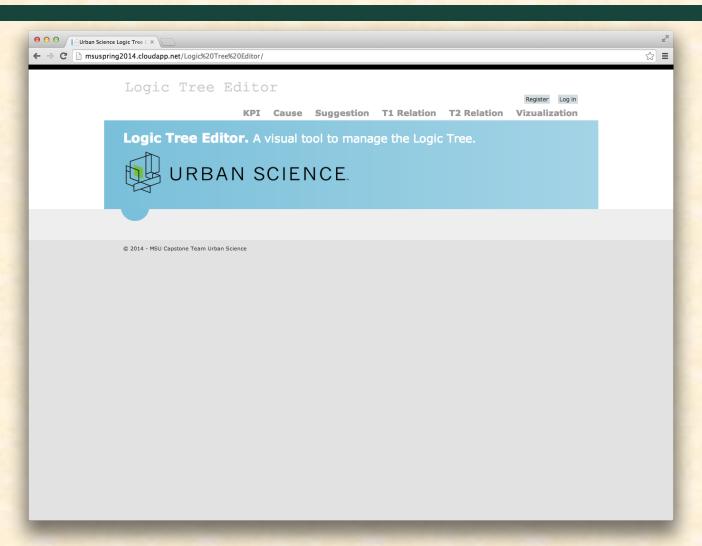
Project Overview

- SQL database
 - Models the Logic Tree
 - Records changes
- Application server
 - Provides access to database
 - REST layer for iPad

System Architecture

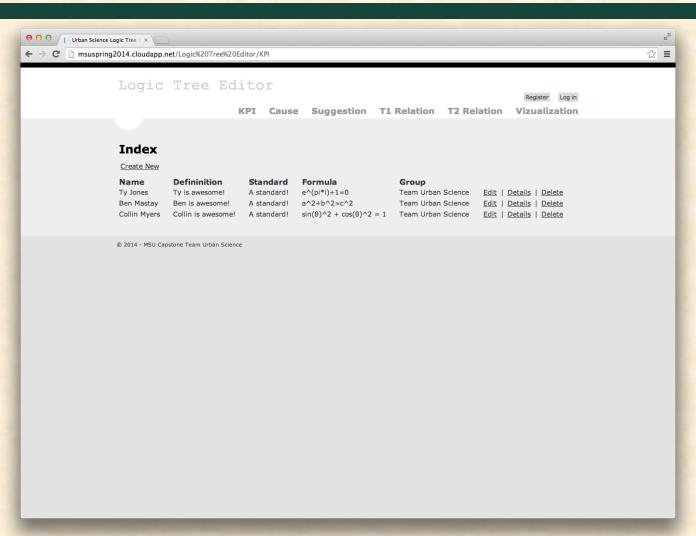


Home Screen

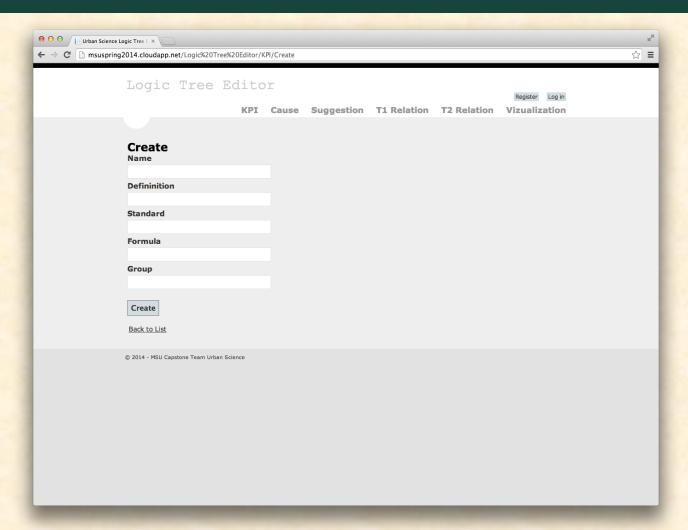




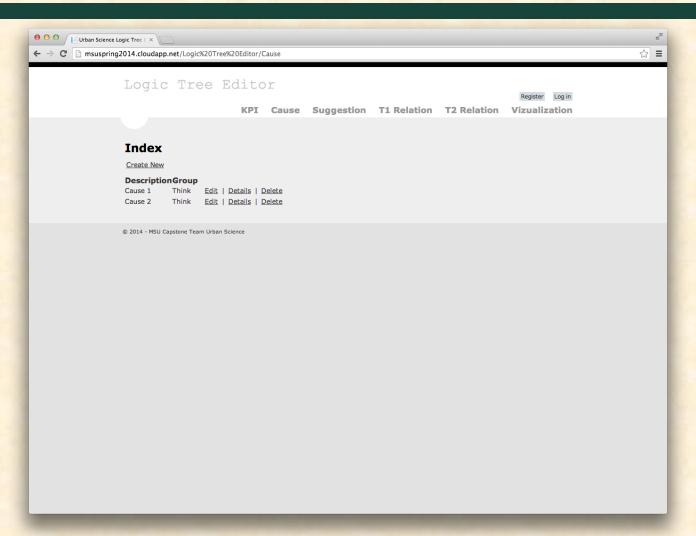
KPI View



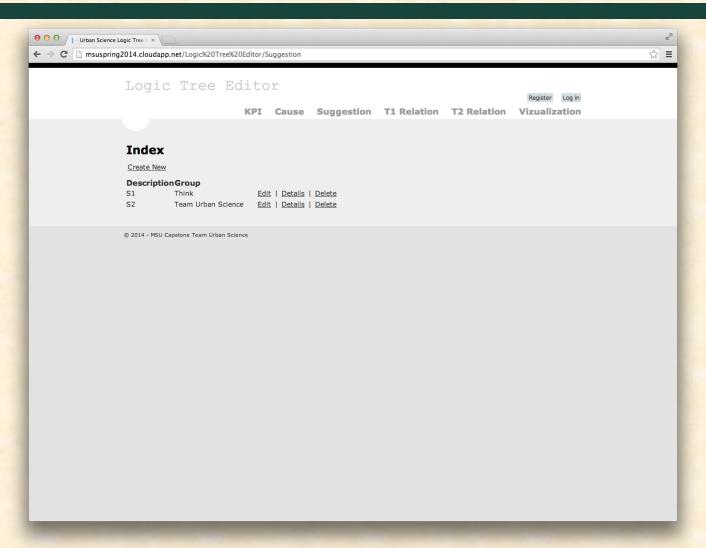
KPI Create



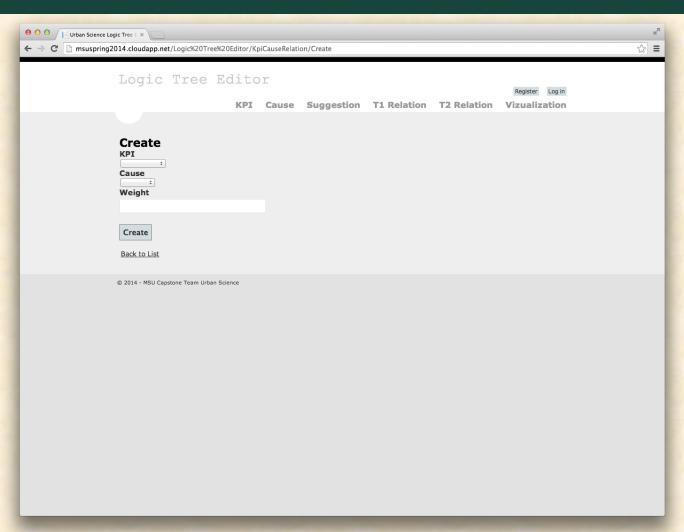
Cause View



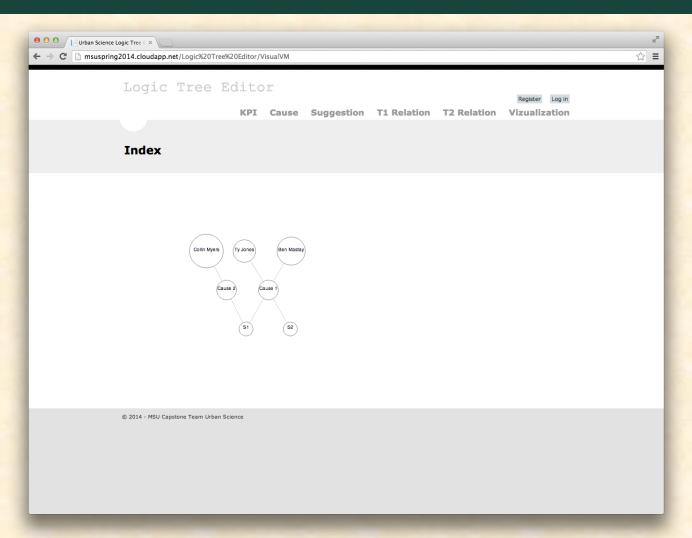
Suggestion View



Relationship Create View

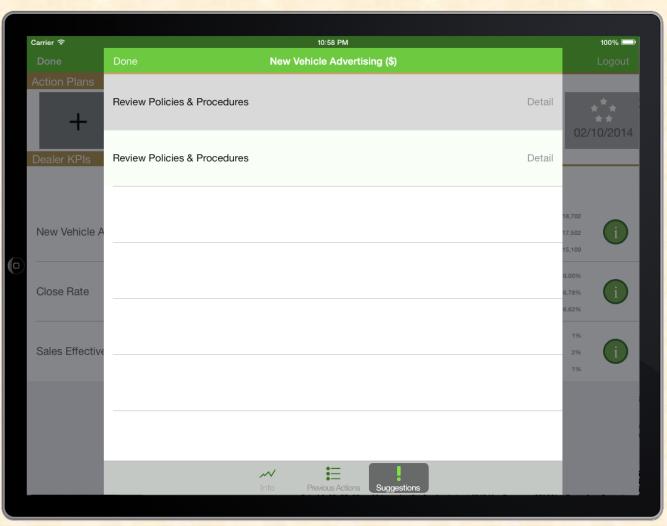


Logic Tree Visualization





iPad App Extension



What's left to do?

- Complete D3.js for use case actions
 - Only displays nodes
 - No way to modify the tree with the visualization
- Single page application
 - Currently uses different pages for each view
 - Simplify interface to a single view
- Finish read-only API for iPad app
- Reconcile database from previous semester