

MICHIGAN STATE
UNIVERSITY

Beta Presentation

BizIQ Flow Map Using Sequential Analytics Data

The Capstone Experience

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*From Students...
...to Professionals*

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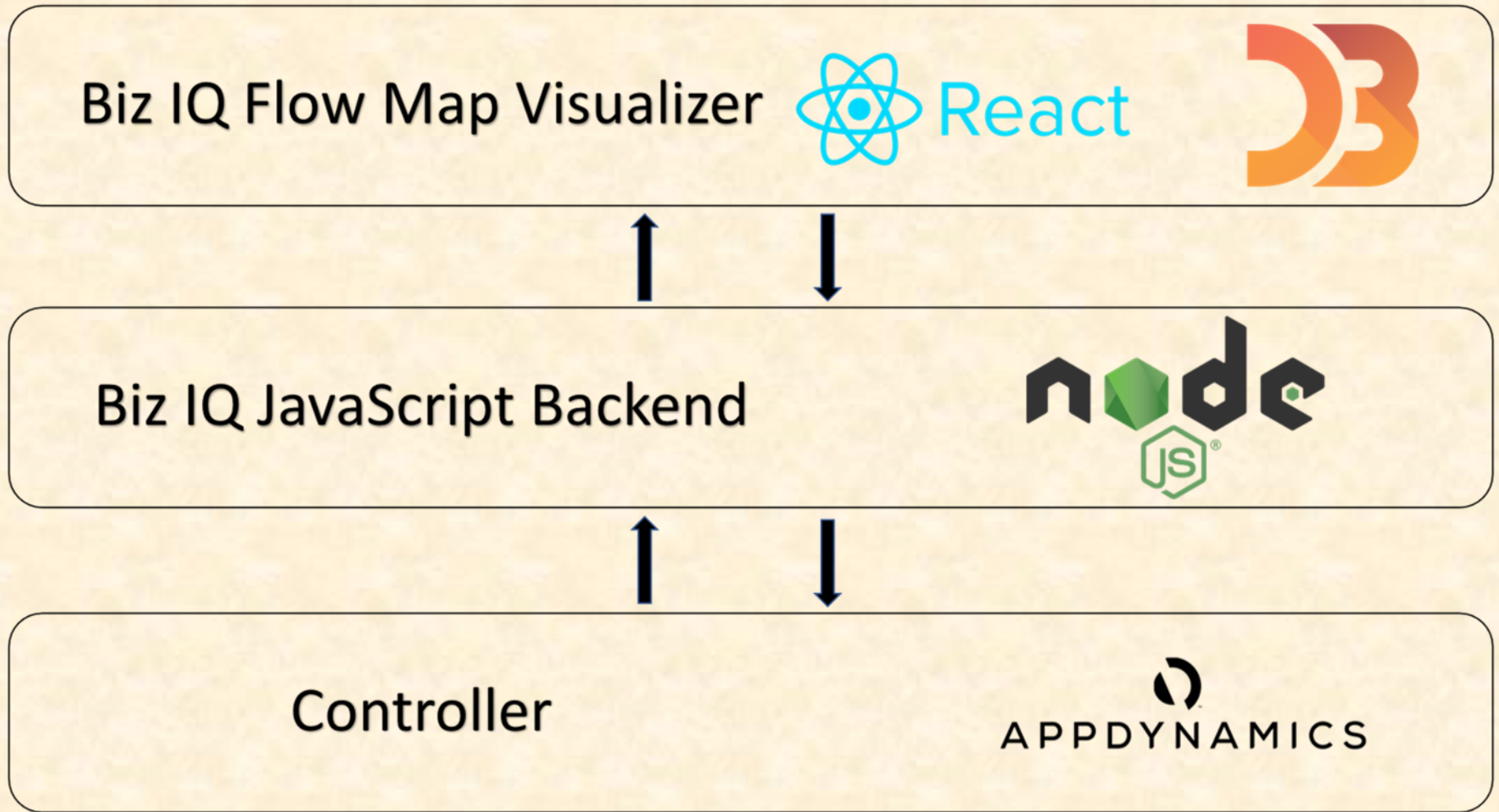
Fall 2019

Project Overview

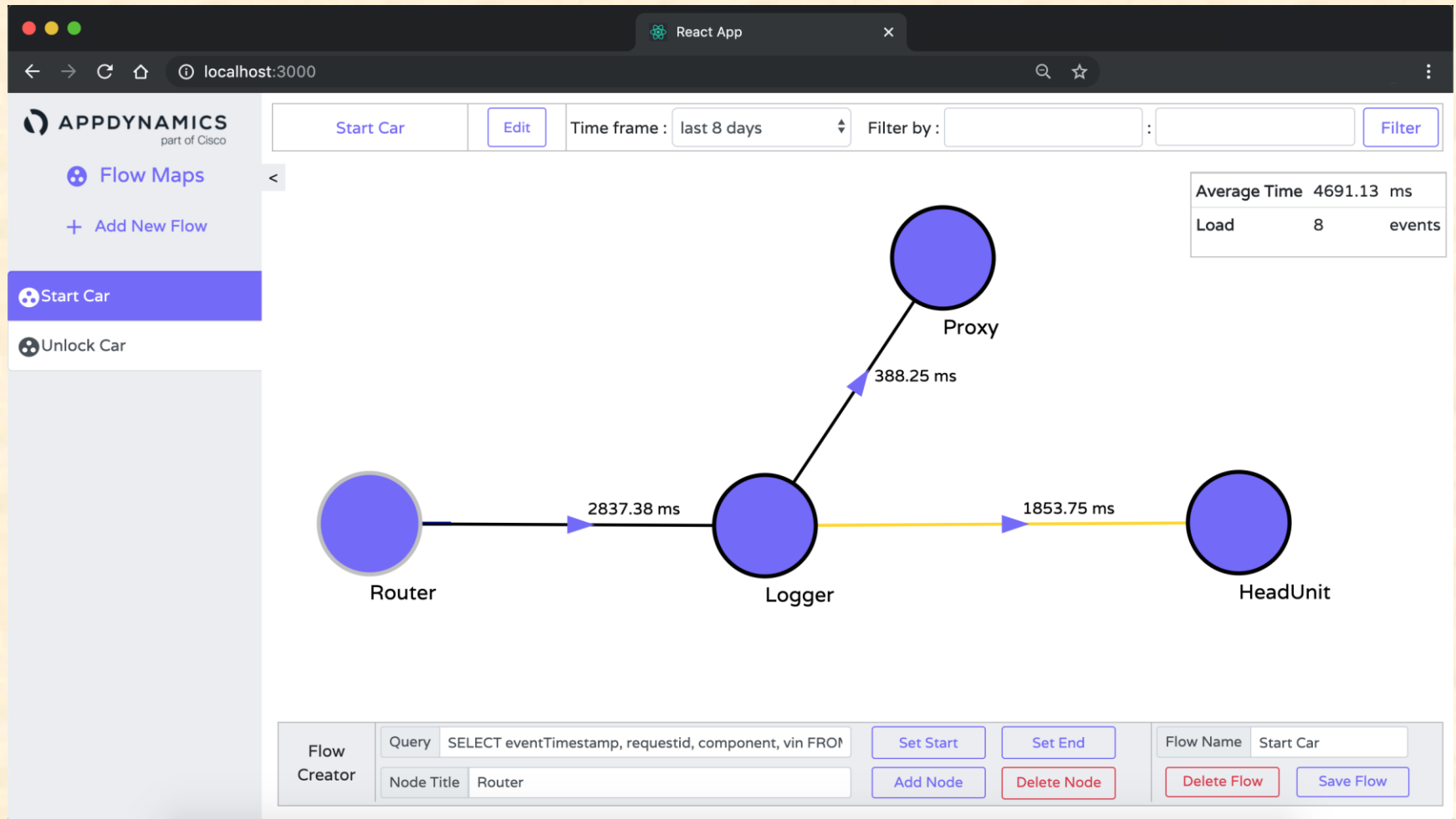
- Businesses can create Flow Maps representing their businesses transactions
- Help monitor business transaction performance and their impact on end-user experience



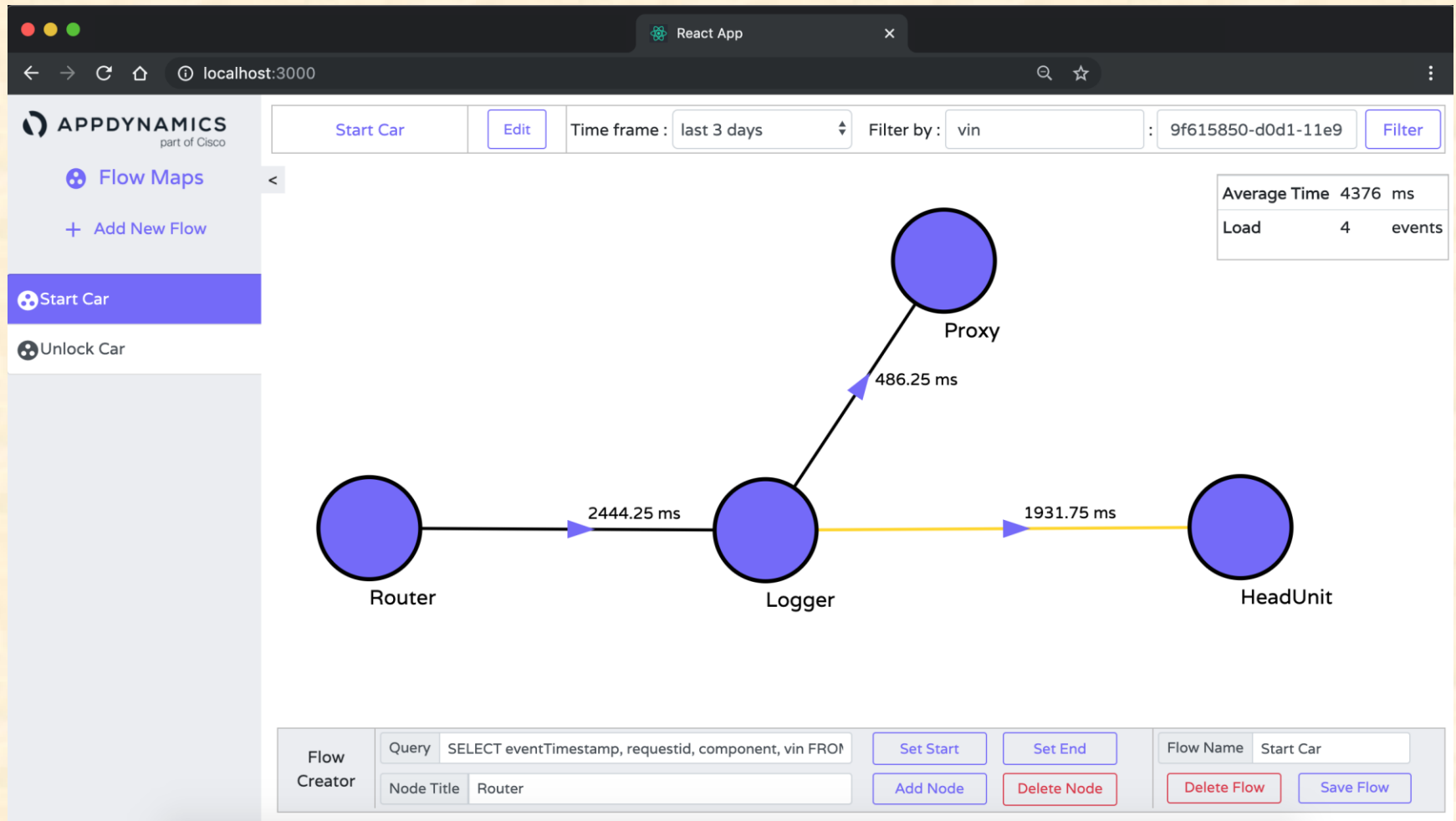
System Architecture



Start Car Flow Example



Filtered Start Car Flow



Changing Threshold Flow

The screenshot displays the AppDynamics Flow Maps interface. At the top, the browser address bar shows 'localhost:3000'. The AppDynamics logo and 'part of Cisco' are visible. The main navigation area includes 'Flow Maps' and 'Add New Flow'. The current flow is 'Start Car', with a sub-flow 'Unlock Car' also visible. The flow diagram shows three nodes: Router, Proxy, and HeadUnit. The Router node is connected to the Proxy node (486.25 ms) and the HeadUnit node (1931.75 ms). The Router node is also connected to the Logger node (2444.25 ms). The Logger node is connected to the Proxy node (486.25 ms). The Router node is highlighted in red. A summary box shows 'Average Time 4376 ms' and 'Load 4 events'. A 'Set Thresholds' panel shows 'Low Threshold 1000' and 'High Threshold 2000'. The 'Flow Creator' panel at the bottom shows the query 'SELECT eventTimestamp, requestid, component, vin FROM', the flow name 'Start Car', and the node title 'Router'. Buttons for 'Set Start', 'Set End', 'Add Node', 'Delete Node', 'Delete Flow', and 'Save Flow' are present.

APPDYNAMICS part of Cisco

Start Car Edit Time frame: last 3 days Filter by: vin : 9f615850-d0d1-11e9 Filter

Flow Maps + Add New Flow

Start Car Unlock Car

Router Proxy HeadUnit

2444.25 ms 486.25 ms 1931.75 ms

Average Time 4376 ms Load 4 events

Low Threshold 1000 High Threshold 2000 Set Thresholds

Flow Creator Query SELECT eventTimestamp, requestid, component, vin FROM Node Title Router Set Start Set End Add Node Delete Node Delete Flow Save Flow Flow Name Start Car



Flow Creation

The screenshot shows the AppDynamics Flow Creation interface. At the top, there's a browser window with the URL localhost:3000. The AppDynamics logo is visible in the top left. The main area displays a flow diagram with two nodes: 'Start' and 'End', connected by a horizontal arrow. The 'Start' node is a solid blue circle, and the 'End' node is a blue circle with a grey border. Below the diagram, there's a 'Flow Creator' section with a query input field containing 'SELECT eventTimestamp, requestid, component FR', a 'Node Title' field with 'End', and buttons for 'Set Start', 'Set End', 'Add Node', 'Delete Node', 'Delete Flow', and 'Save Flow'. The flow name is 'Unlock Car'. On the right side, there's a table with columns 'Average Time' (ms) and 'Load' (events).

Average Time	ms
Load	events



What's left to do?

- Bug fixes
- UI improvement
- Date selection UI change
- Discuss stretch goals with client



Questions?

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