Automatic Interface Design from Query Logs

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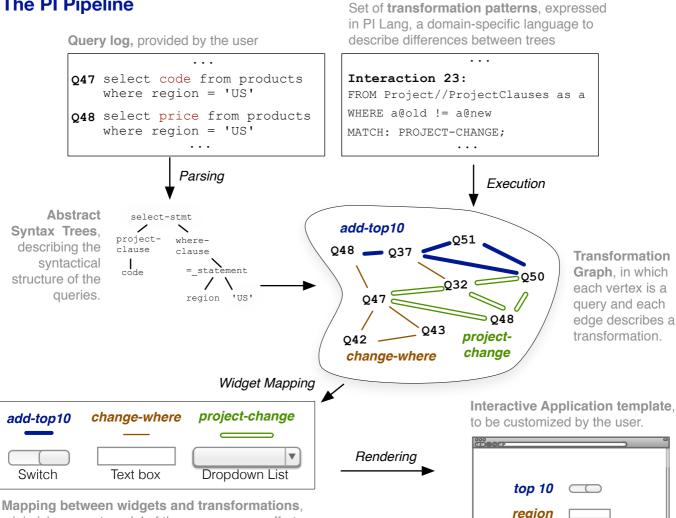
Problem How can we generate interactive applications from query logs?

Many businesses rely on IT support and consultants to create dashboards and run queries on their behalf. An automatic solution would be cheaper, remove strategic dependencies and reduce exposure to confidential data.

Our Approach Map pairwise differences between queries to interactions



The PI Pipeline



minimizing a cost model of the average user effort induced by the interface.

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