# MICHIGAN STATE UNIVERSITY

# Beta Presentation Symantec VIP Web Framework SDK

The Capstone Experience

Team Symantec

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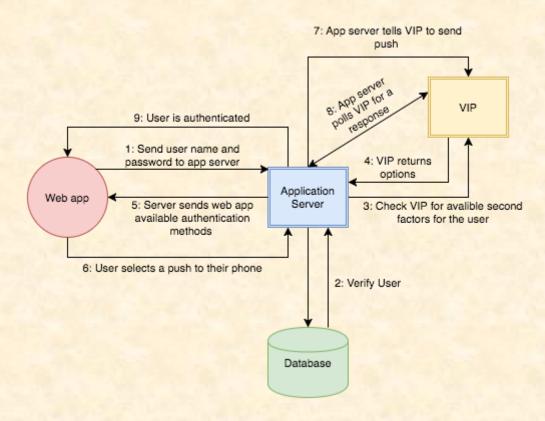
#### **Project Overview**

- Make integrating Symantec VIP into web apps easy
- Eliminate barrier to entry into 2FA
- Create SDKs for modern web frameworks
  - Ruby
  - Python
  - Node.js

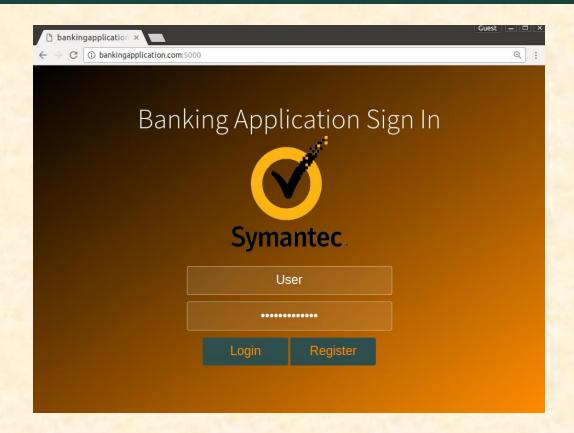
# Challenges Without Our Library

- Find a SOAP client
  - Multiple choices all with pros and cons
- Work with the client
  - Authentication
  - Deal with parameters and responses for calls
  - Corrections for errors reading the WSDL
  - Mocks for testing
- Working with VIP
  - Every call is different

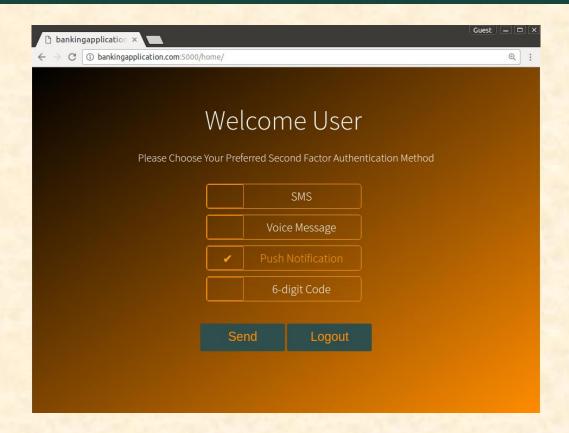
# System Architecture



# Sample App Login



#### Second Factor Selection

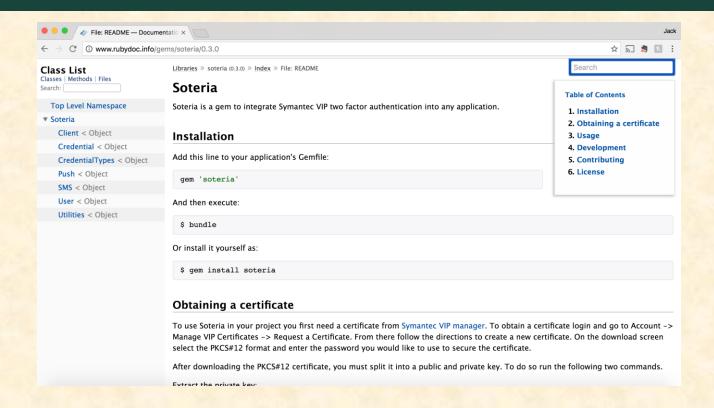


# Push Received By User





# Ruby Gem Documentation



#### What's left to do?

- Clean up code base
- Publish sample apps and libraries
- Finish documentation

# Questions?

