MICHIGAN STATE UNIVERSITY

Alpha Presentation Cybersecurity Management System

The Capstone Experience

Team Aptiv

Dillon Brown
Wei Jiang
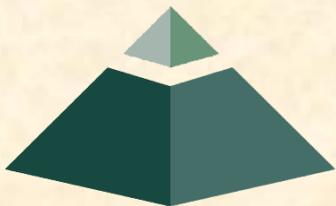Clayton Peters
Ashtaan Rapanos
Winton Qian

Department of Computer Science and Engineering
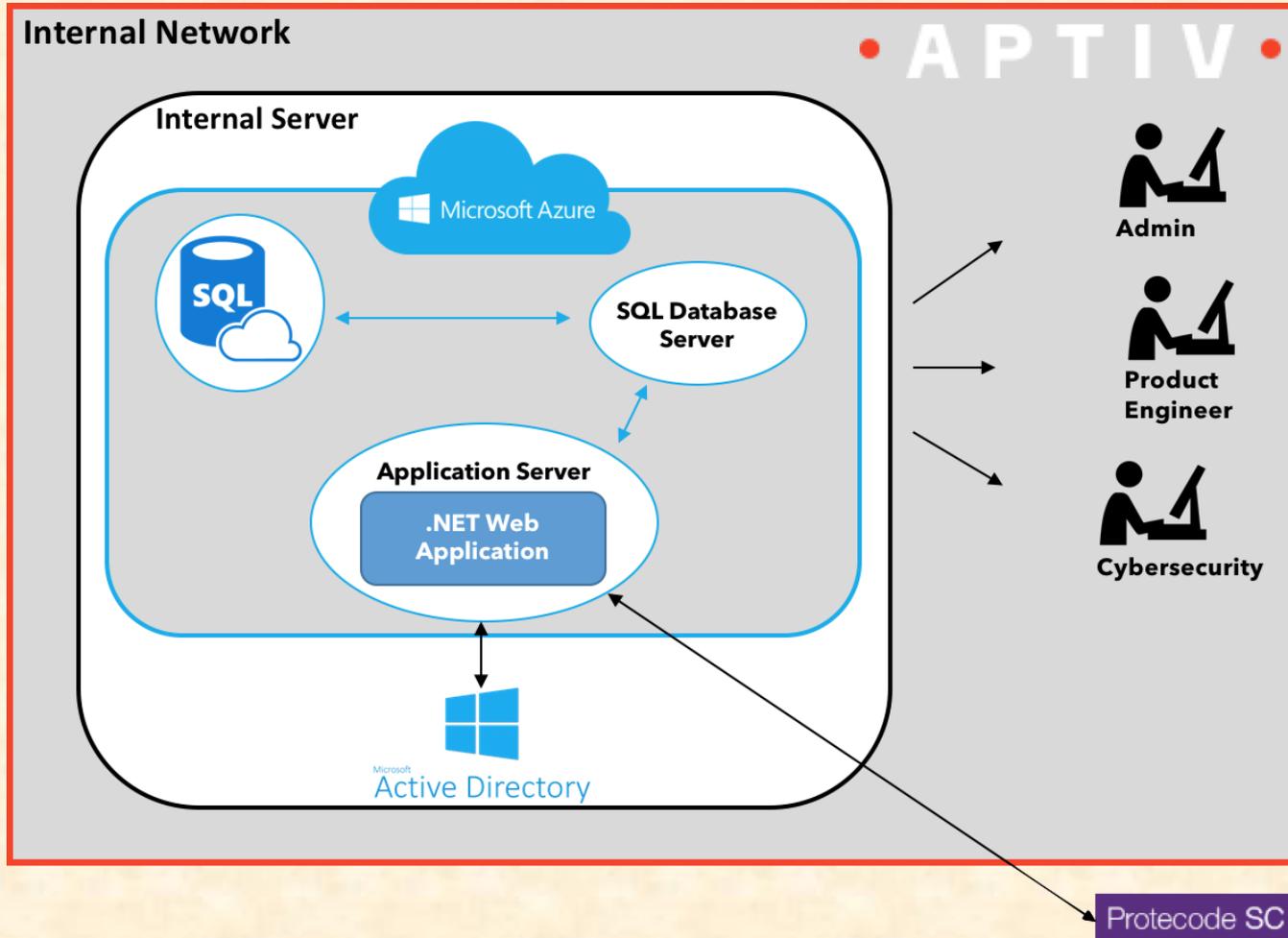Michigan State University
Spring 2018

From Students…
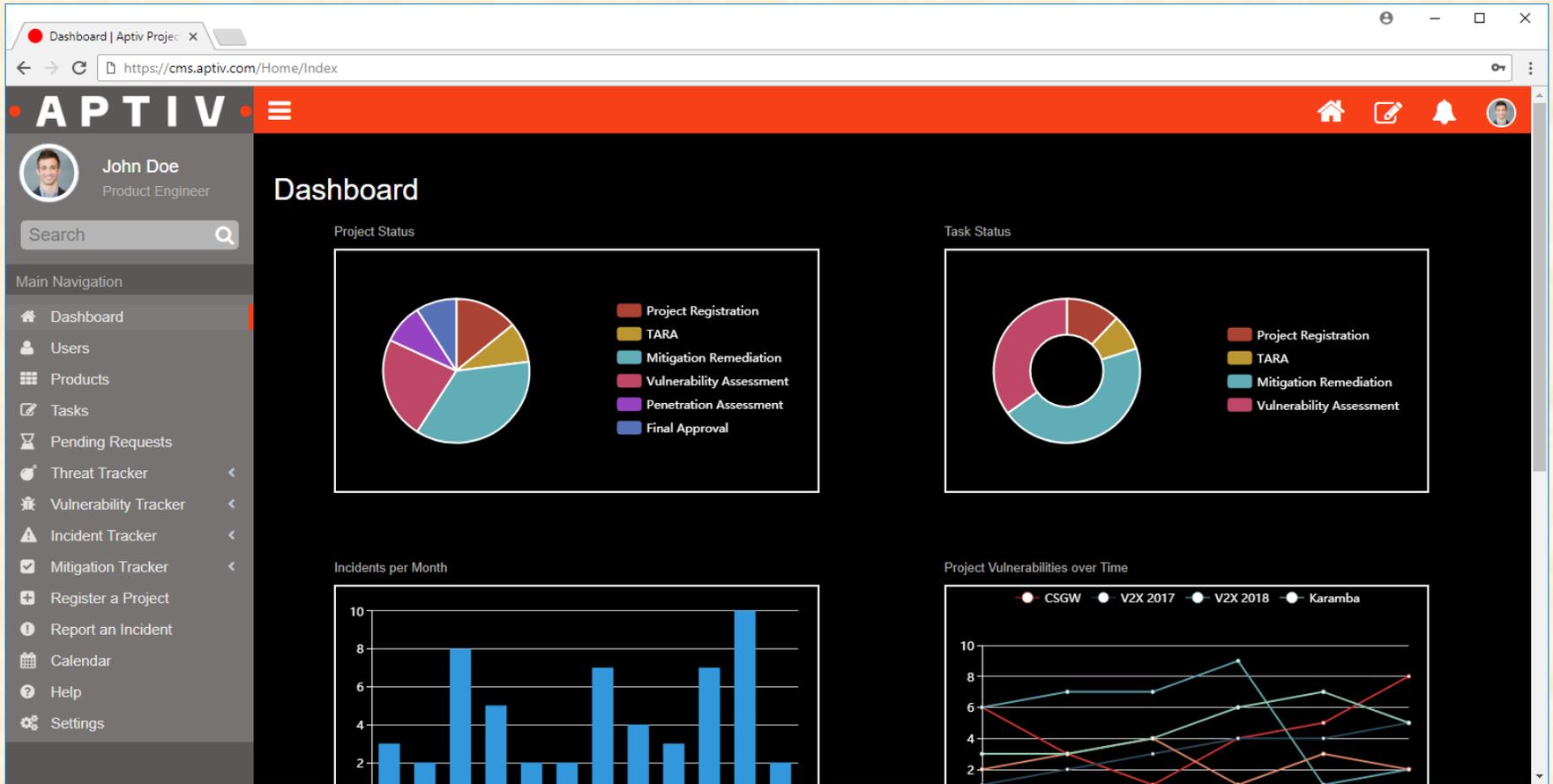*…to Professionals*

Project Overview

- Web application to help with automation and consolidation of Aptiv's product cybersecurity processes
- 4 Trackers for analysis and visualization of information collected by system
  - Threats/Risks
  - Vulnerabilities
  - Incidents
  - Mitigations
- Increase productivity and help communication by implementing request system, email alerts, notifications and task manager

System Architecture

Dashboard

Product Dashboard

Project Dashboard

Project Page

What's left to do?

- Implementation of trackers
- Two-way pending request system
- Emails and notifications
- Admin capabilities
- Task Manager interface
- Module pages
  - TARA
  - Penetration
  - Mitigation Remediation

Questions?