Alpha Presentation Automated Retrieval of ADAS Driving Environments The Capstone Experience Team Bosch

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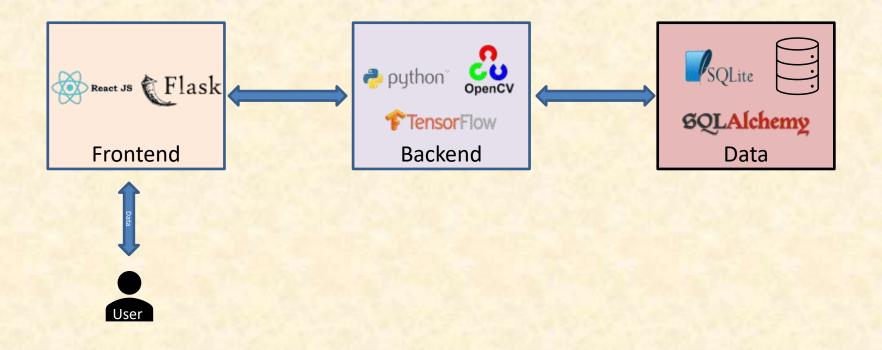
Department of Computer Science and Engineering
Michigan State University
Fall 2020

Project Overview

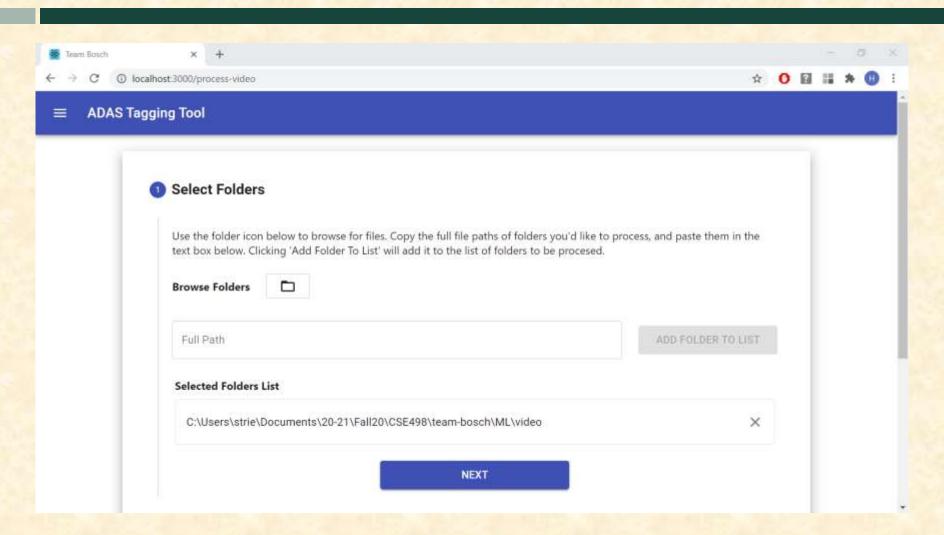
- The Problem:
 - Manually searching video for specific environments
 - Thousands of hours of footage

- The Solution:
 - automatically tag & categorize footage based on features/environments

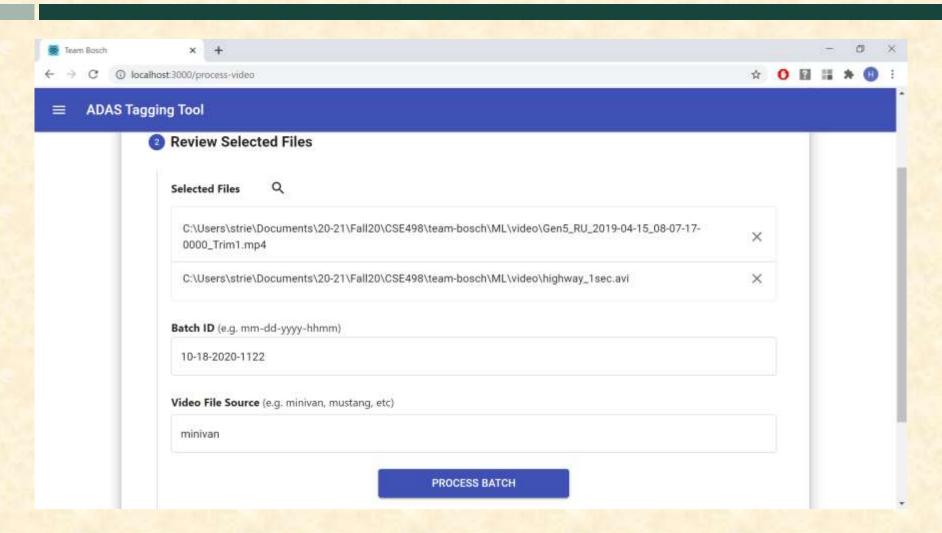
System Architecture



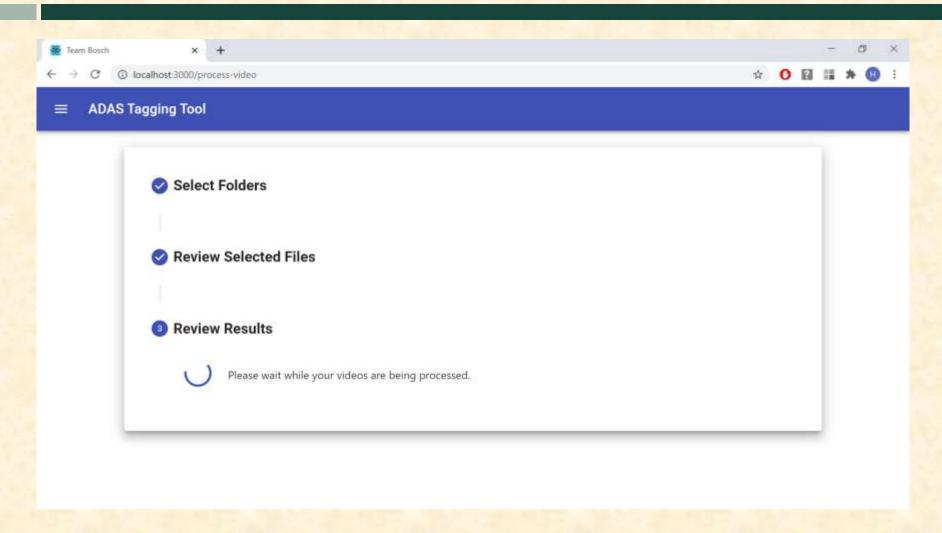
Process Video Step 1



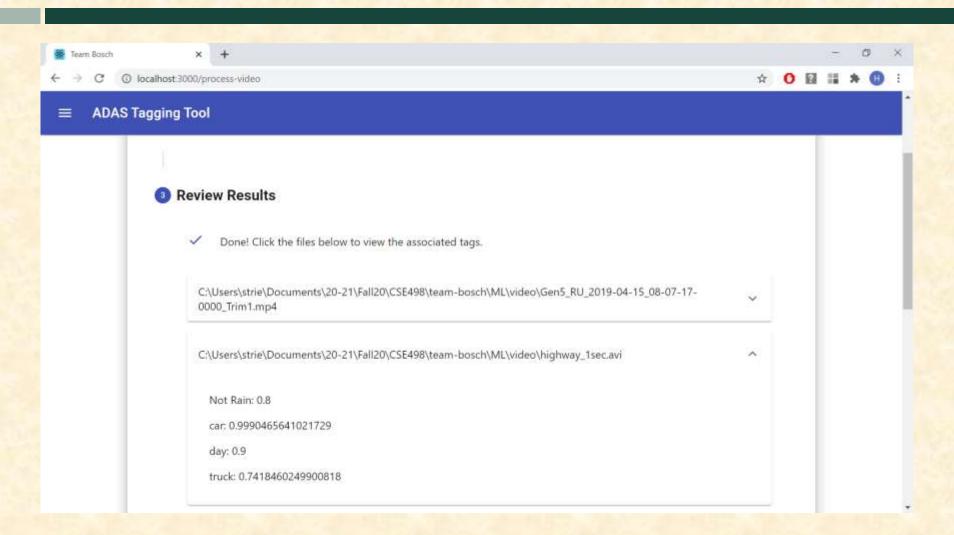
Process Video Step 2



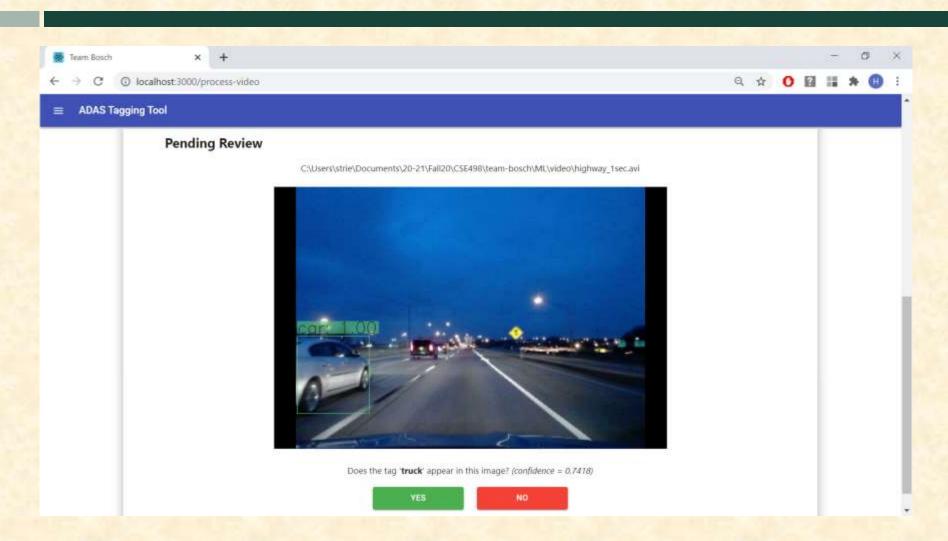
Process Video Step 3

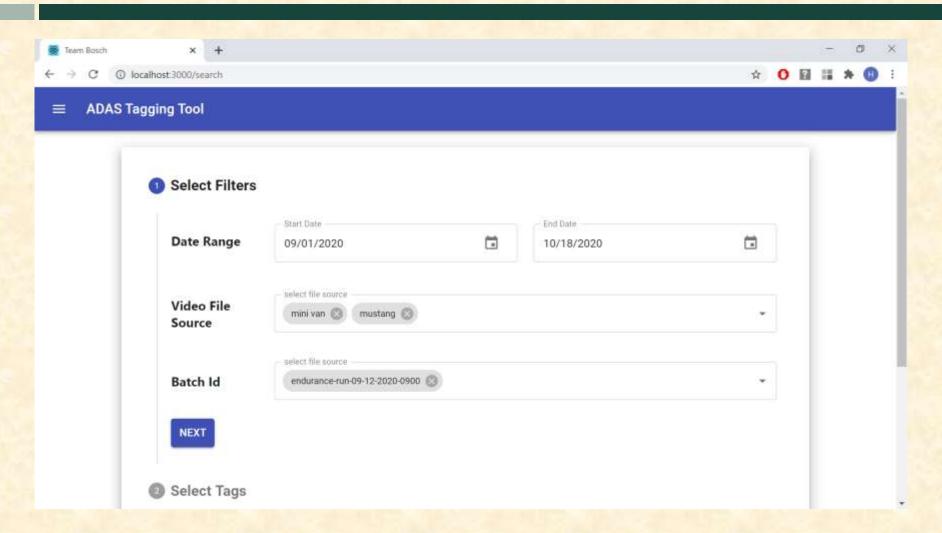


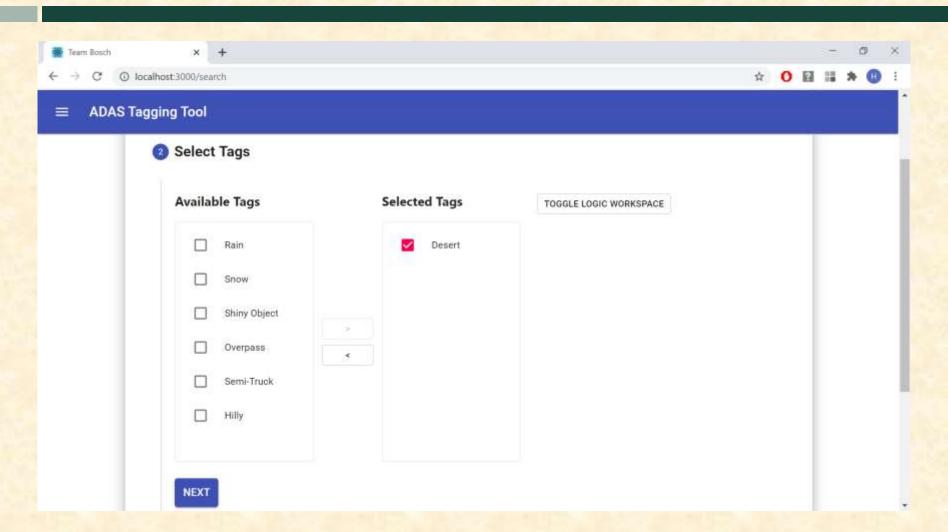
Process Video Review Results

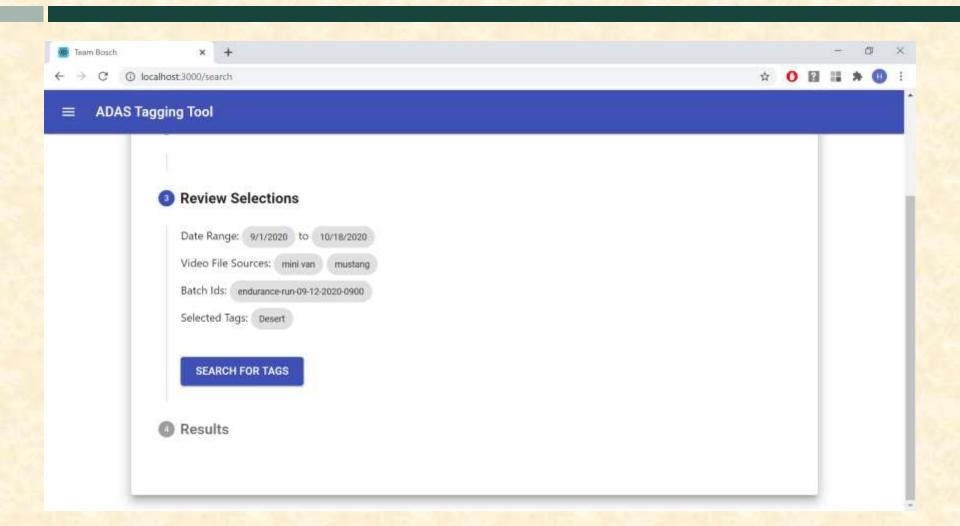


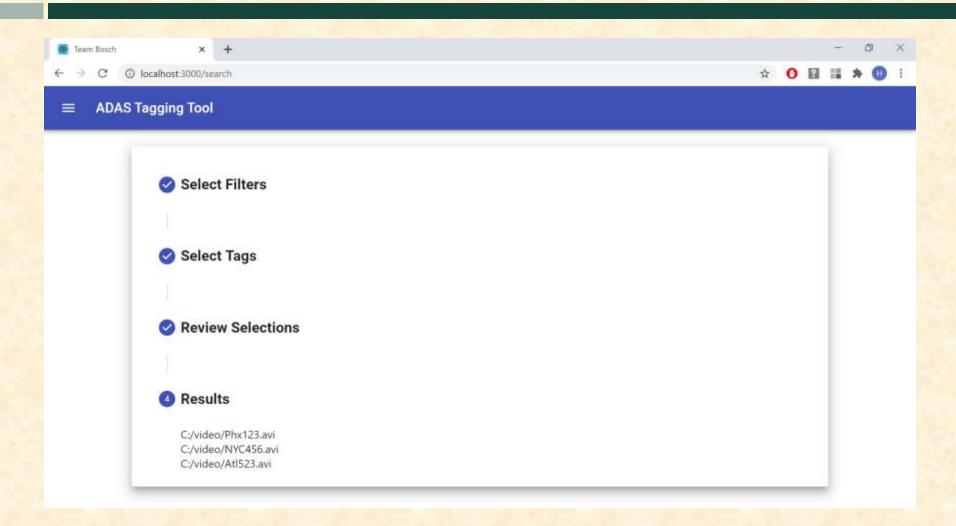
Process Video Review Results











What's left to do?

- Train new objects(bridge/tunnel)
- Logic workspace
- Progress bar for videos
- Apply filters to DB query
- General UI improvements

Questions?

