MICHIGAN STATE UNIVERSITY

Beta Presentation
Automated Retrieval of ADAS Driving Environments
The Capstone Experience

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From Students…
…to Professionals

Department of Computer Science and Engineering
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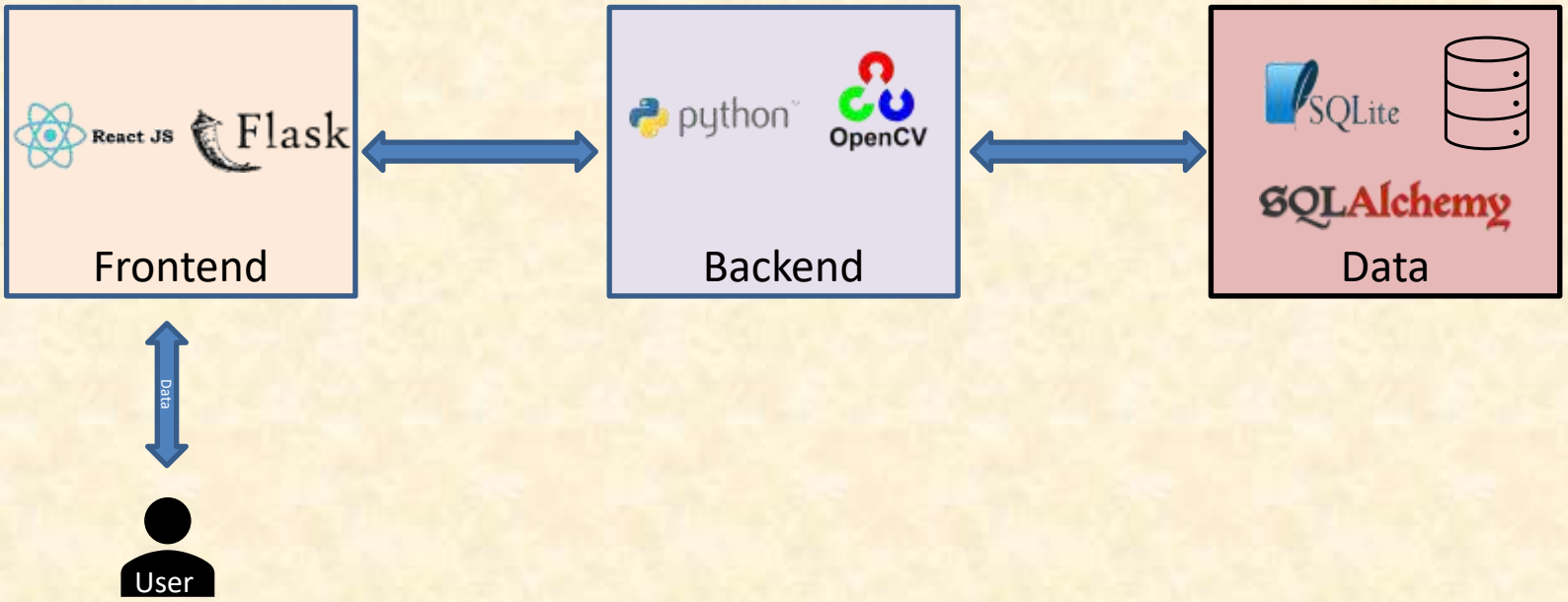
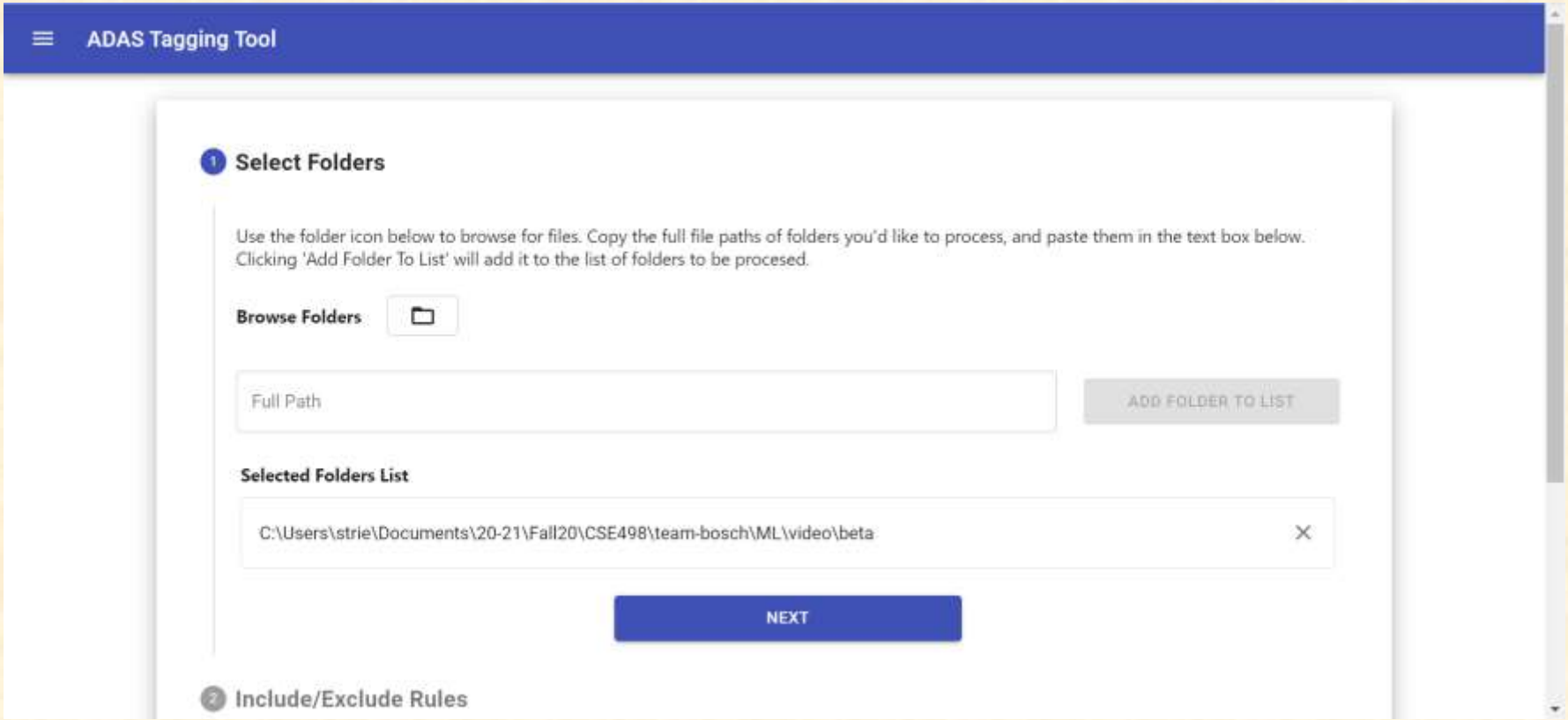
Project Overview

- The Problem:
  - Manually searching video for specific environments
  - Thousands of hours of footage
- The Solution:
  - Automatically tag & categorize footage based on features/environments

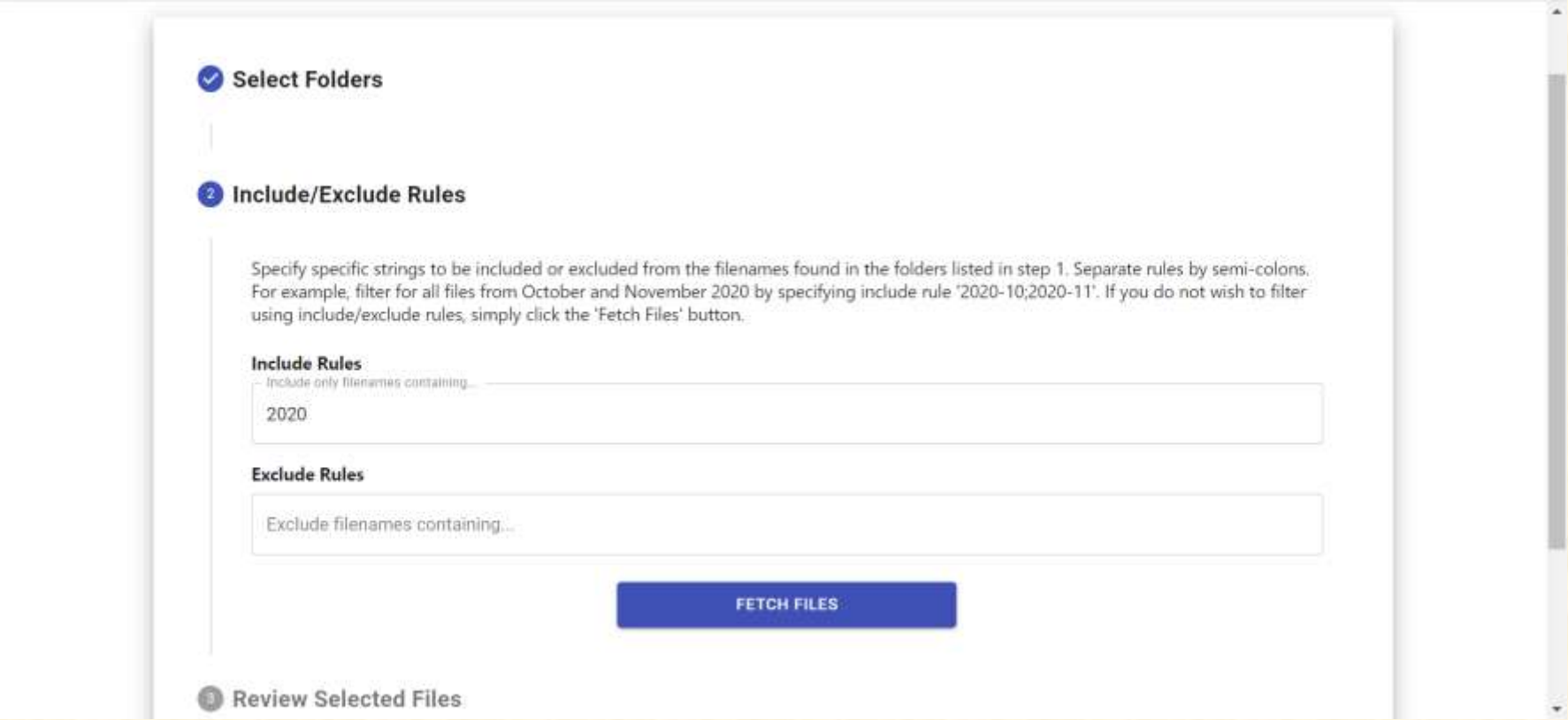
System Architecture



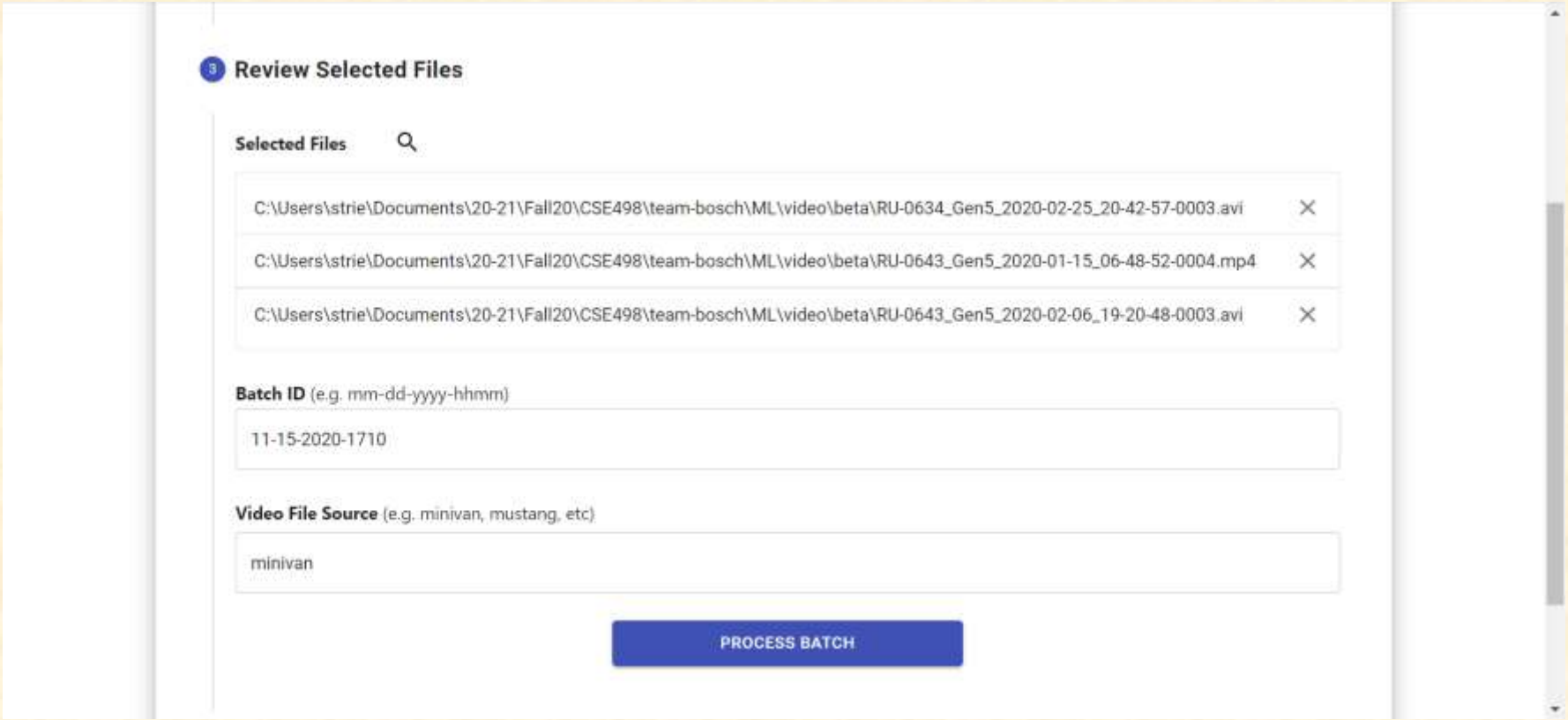
Process Video Step 1



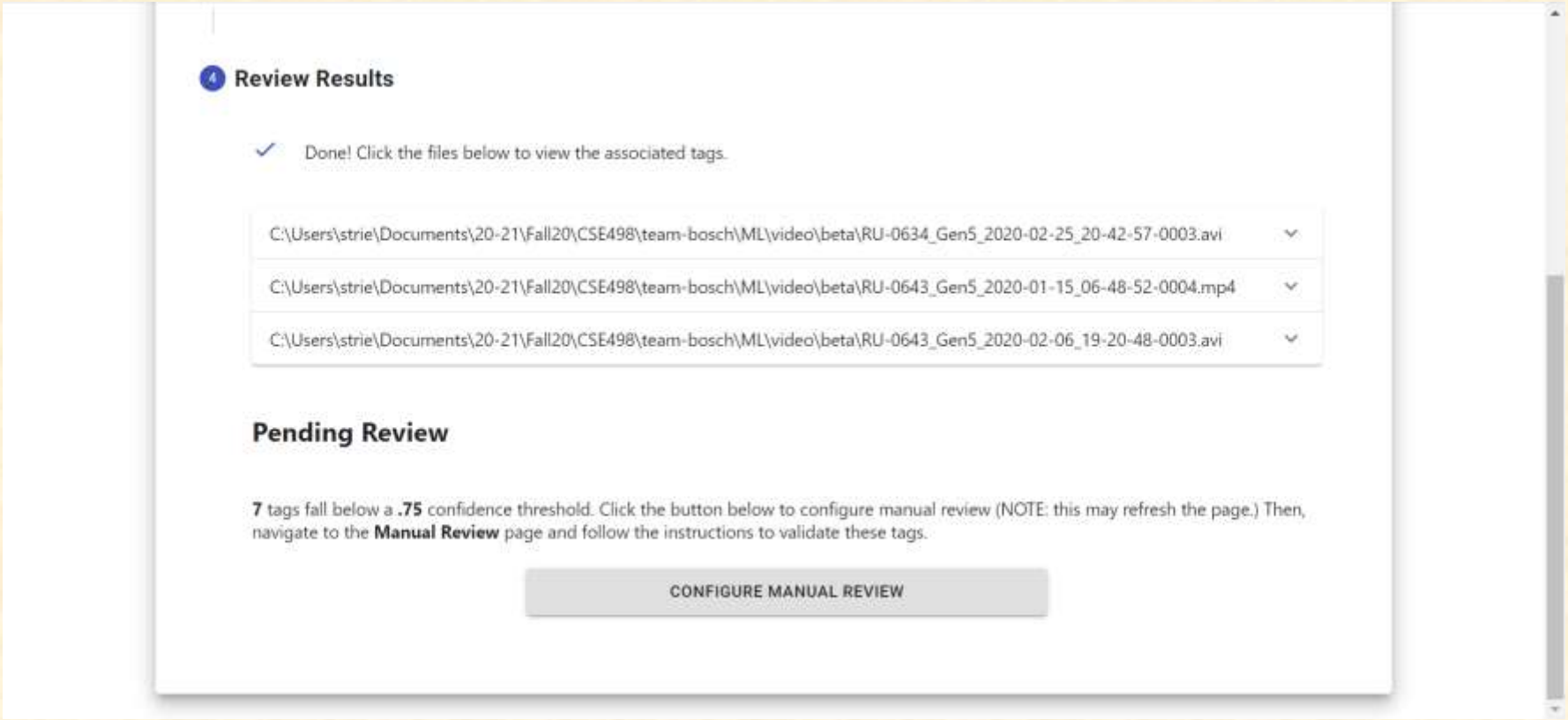
Process Video Step 2



Process Video Step 3

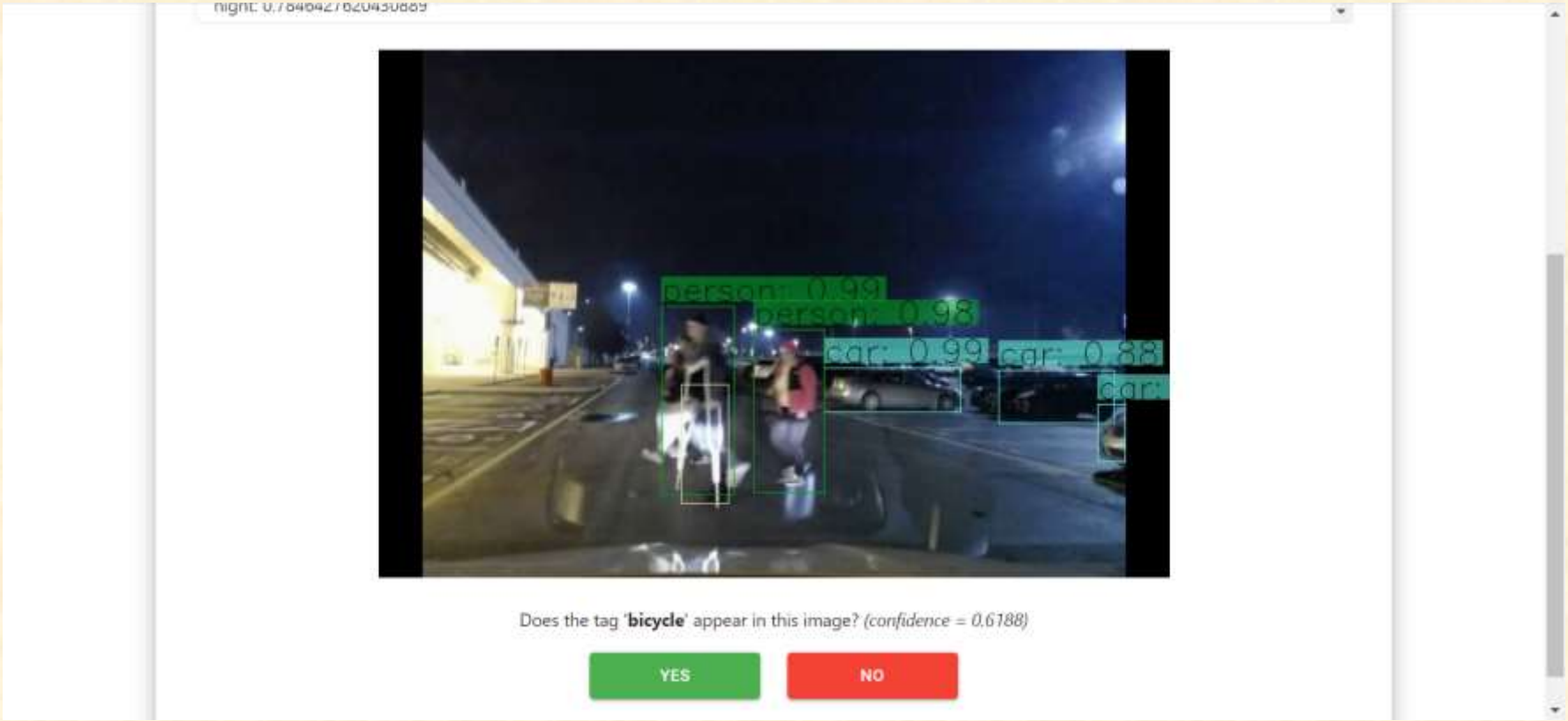


Process Video Step 4

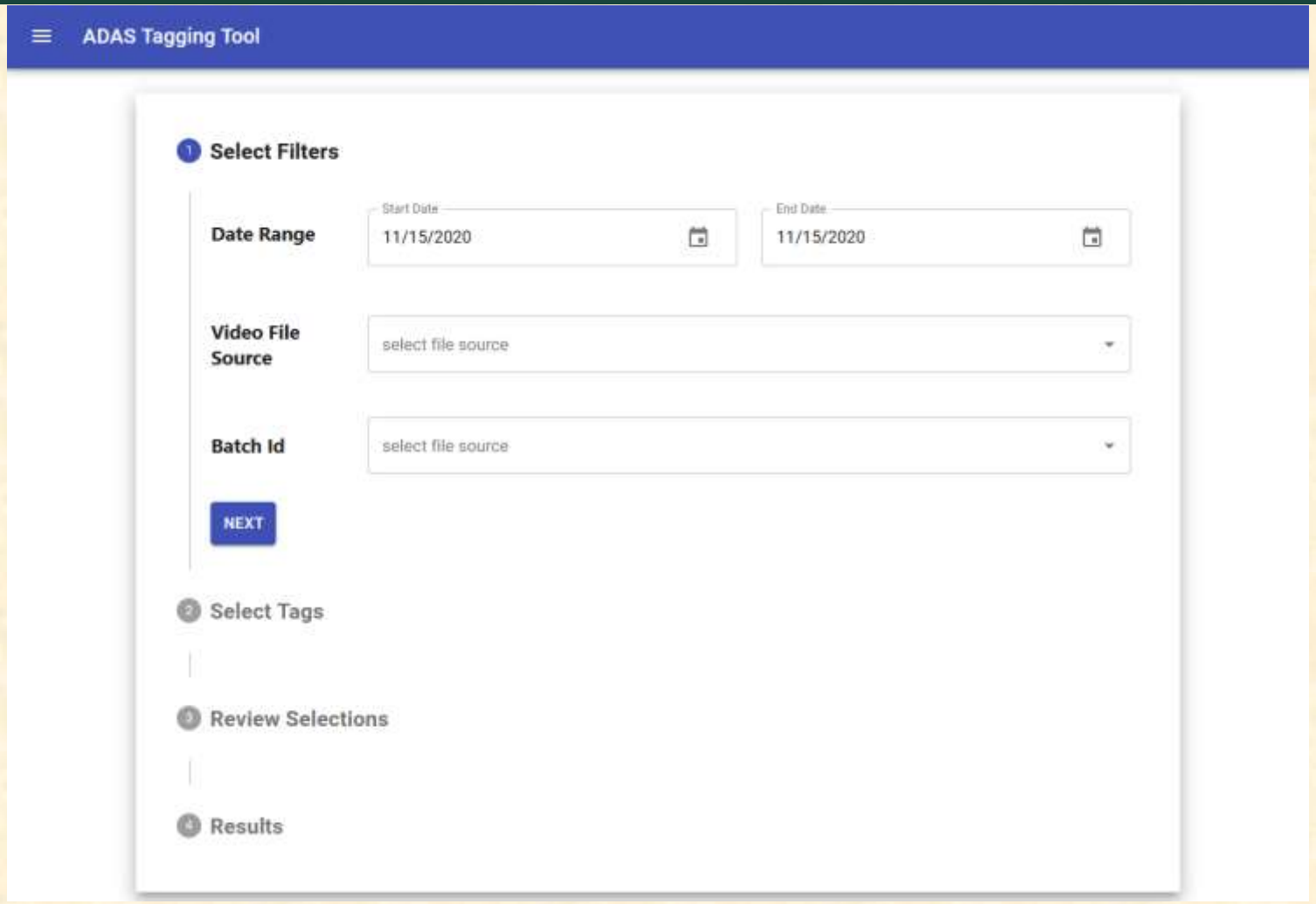


Manual Review 1

Manual Review 2



Search For Tags 1



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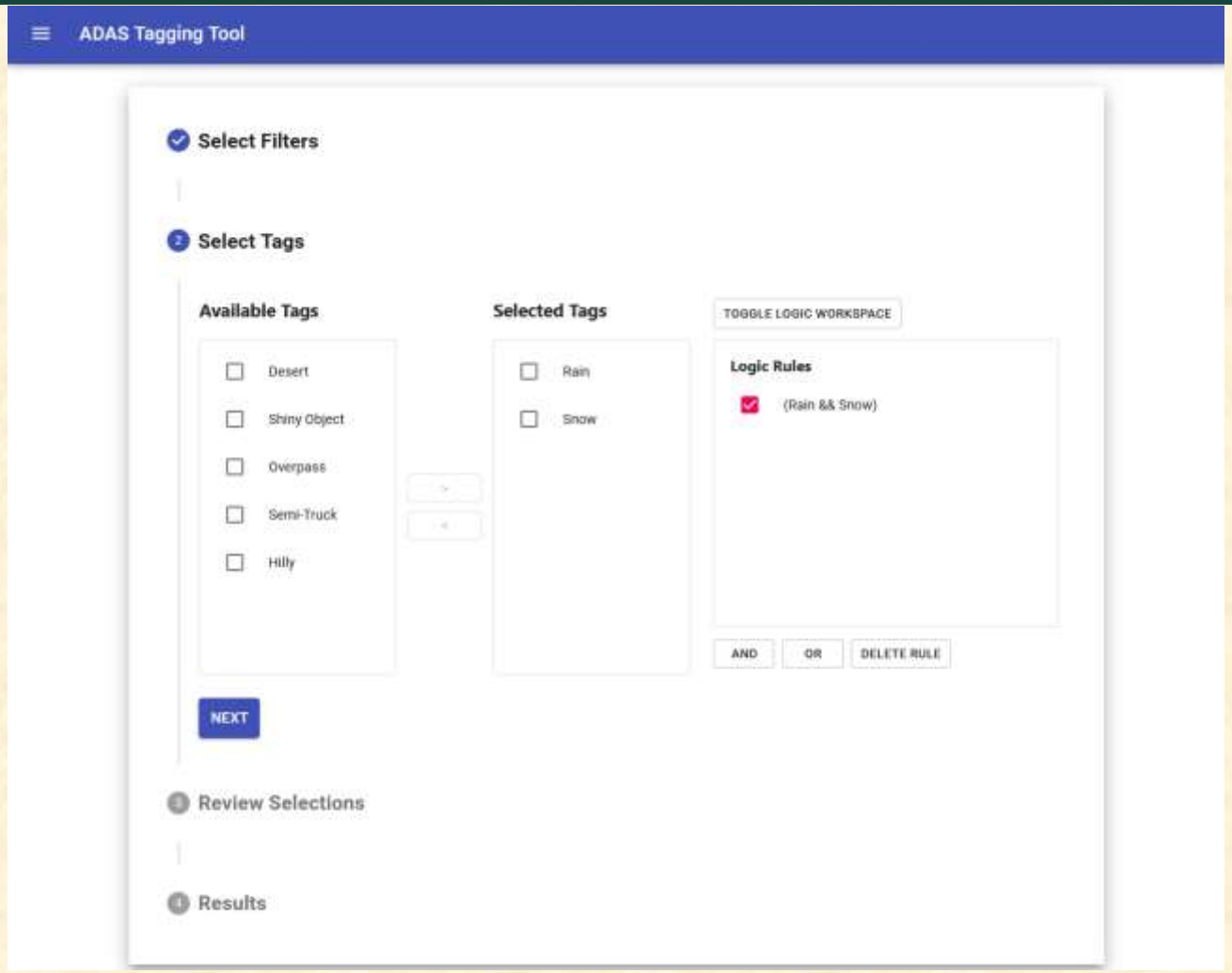

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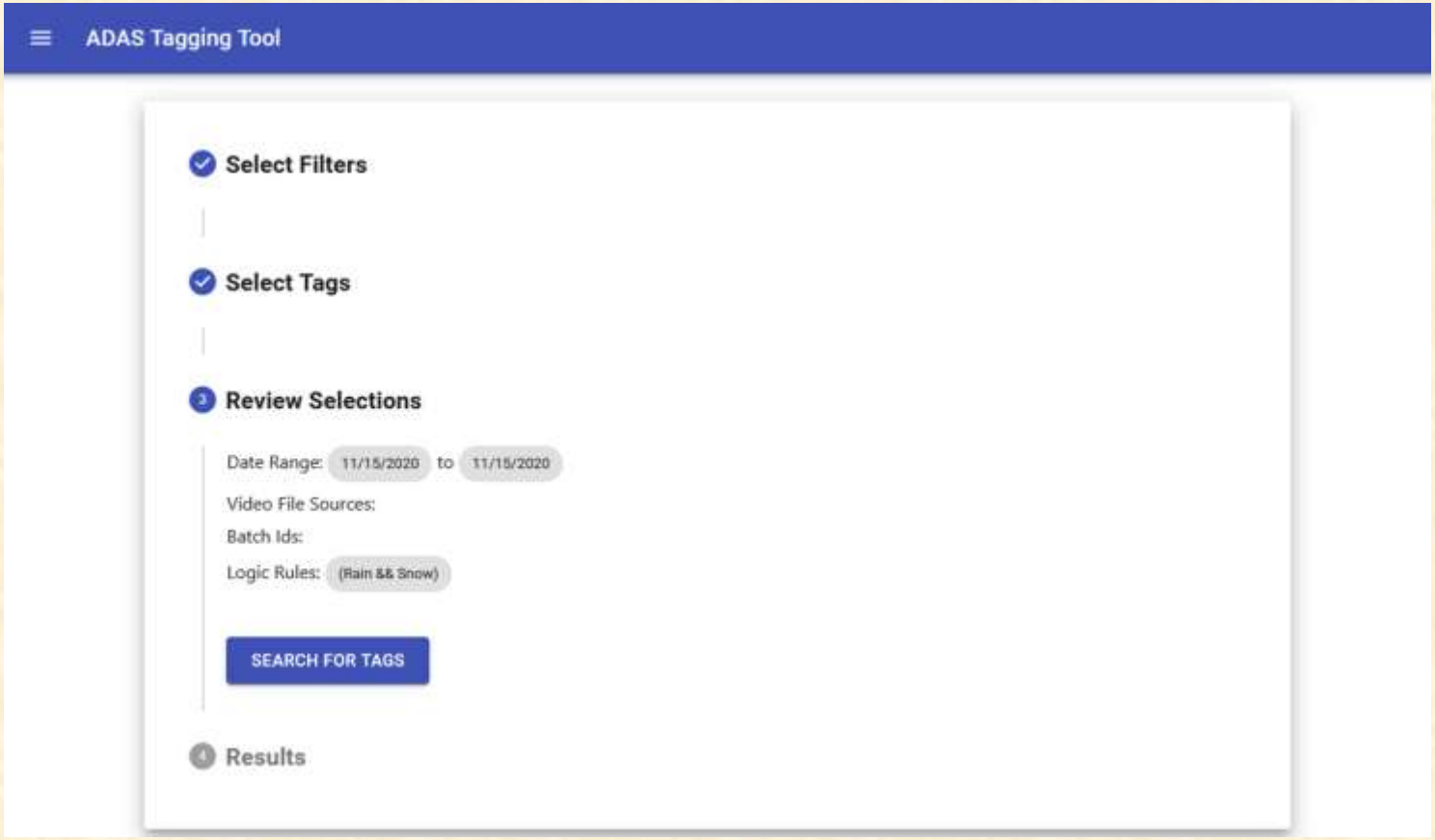

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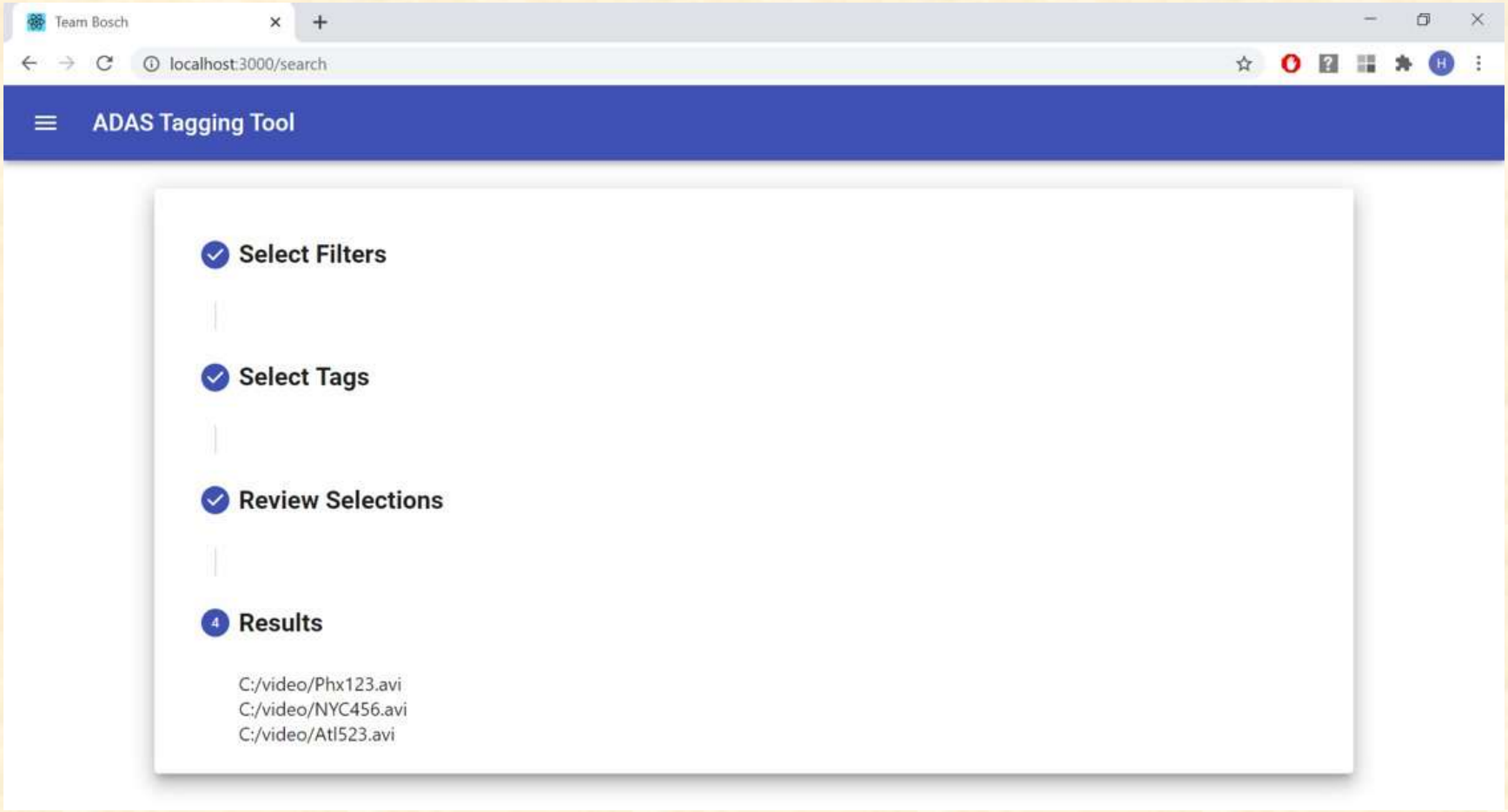
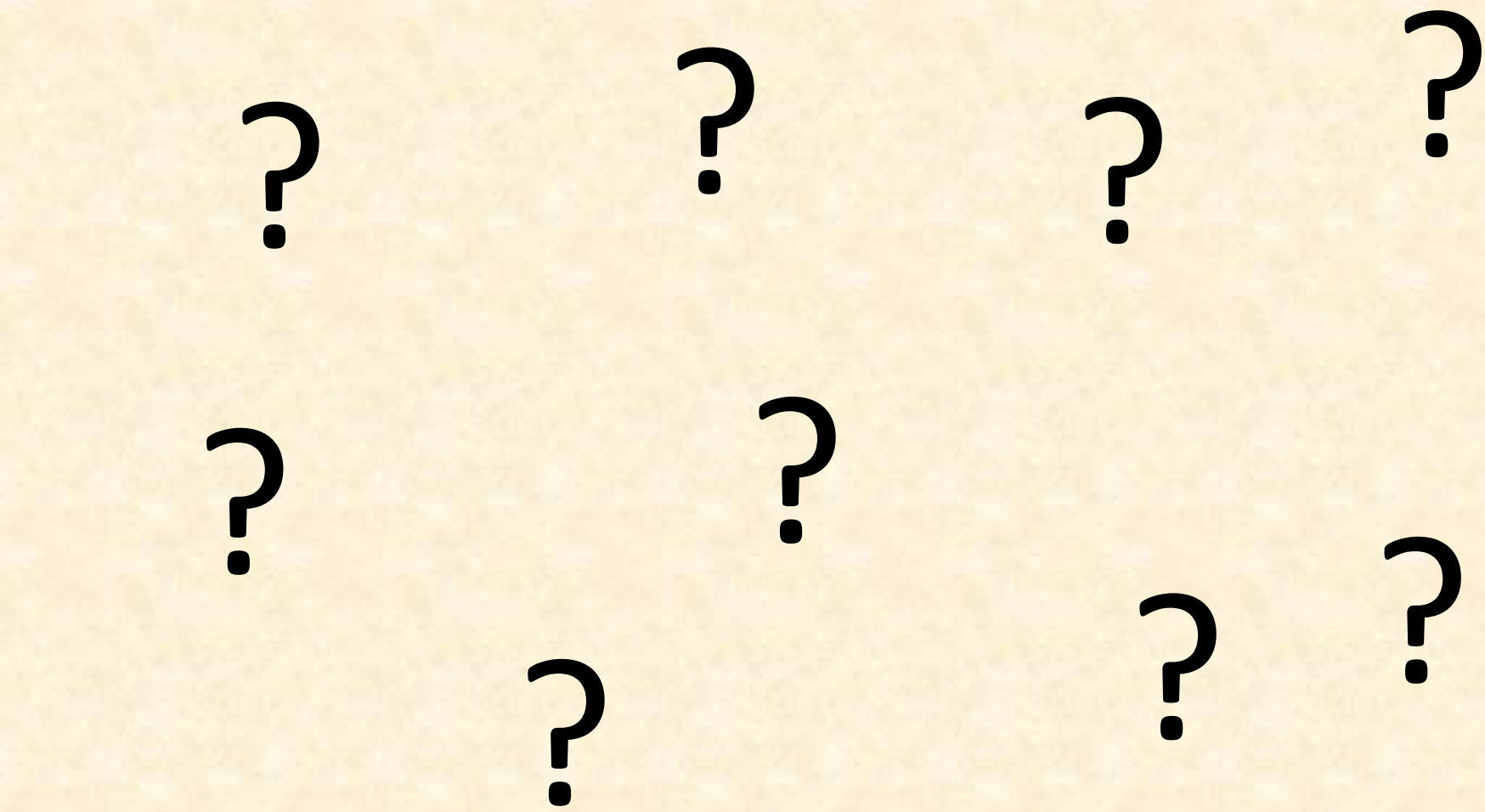


What's left to do?

- Train New Objects
- UI Improvements
- Manual Review Instructions Page
- Train New Tags Instructions Page
- Testing and Bug Fixes

Questions?