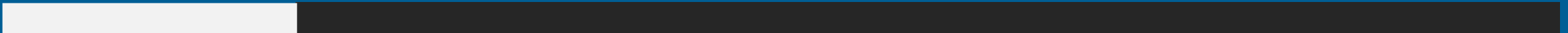




# Team Brendan Chermack

## IDS CHALLENGE

Serenity Vang - Andrew Clayton - Ashesh Nepal - John Klein - Justin Halvorson



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## Problem Statement:

- Allowing users to create and interact with points of interest (POIs) directly
- Points of interest will include information related to the marked area
- Example: tagging a dangerous machine in a manufacturing environment, giving a description of an art piece



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# Demo

[HTTP://LOCALHOST:3000/](http://localhost:3000/)

# KRPANO: MILESTONE 1,2,3



Dynamically renders POIs using hotspot plugin



Captured position inputs from mouse and translate position within an image

# FRONT END: MILESTONE 5



Provides intuitive interface to access and manage POI data



Organizes different panorama views on the homepage



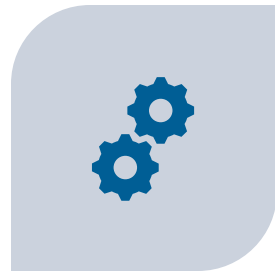
# BACKEND: MILESTONE 4



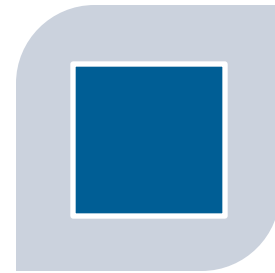
DATA PERSISTENCE VIA  
SQLITE



HANDLING REQUESTS FROM  
FRONTEND TO MANAGE POI  
DATA



POSTMAN FOR AUTOMATIC  
TESTING OF API METHODS



[HTTP://127.0.0.1:8000/DOCS/#](http://127.0.0.1:8000/DOCS/#)



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# Technologies

- JavaScript
- React
- Krpano
- Python (Flask, SQLAlchemy)
- SQLite
- Docker

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## Looking Forward

- Support multimedia content
- Integrate a map view that shows POI locations relative to the user's location
- Add API key for security