Project scope

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Community (UN SD goal):	Goal 11 – Sustainable Cities and Communities
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Project Name	Green Screen

Project Deliverables	

Interact with Waste Management Zones on the Map	**Activity: Building Initial Architecture** ***User Story:*** *As a waste management worker, I would like to view recycling information with and intuitive interface so that I can actively be updated about the quality of recycling within the City of Regina* - Focus on building reusable architecture to display recycling information - Architecture built should be easy to iterate upon - Prior to deployments of the dashboard a CI / CD pipeline should be created to ensure the project builds properly - Development days: 2 **Activity**: Map and Waste Collection Zone integration ***User Story:*** *As a waste management worker, I would like to view recycling collection zones so that I can understand how recycling is collected within the City of Regina* - Focus on integrating waste collection zone layers that City of Regina waste management workers are familiar with - Integration of a map to layer the collection zones upon - Development days: 2
Observe Relevant Collection Zone Information	**Activity:** Integrate Real World Data ***User Story:*** *As a waste management worker, I would like to view and interact with recycling collection information as it is collected, so that I can monitor the health and quality of recycling actively and asynchronously* - Build integrations with StreamSight API and Prairie Robotics Database to actively retrieve data and update the dashboard with the most recent information - Development days: 5
Refining Observations and Results	**Activity:** Refine Analysis and Calculations ***User Story:*** *As a waste management worker, I would like to ensure the information I observe is validated, so that I can educate others and monitor progress with confidence* - Build front-end unit tests to ensure any visible information is accurate - Integrate testing within the CI/CD pipeline to ensure tests are executed prior to any deployment

	- Development days: 2

Project Exclusions

Individual points of contamination and associated data of the offender

Exporting information reports which can be used to build content used for education articles and resources for the public.

Notification system when hazardous household waste is detected.

Role Based Access Control

Note: These exclusions are only temporary and will be worked on in future iterations