



Activity-based schedule (Kanban/User Story Mapping)

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Community (UN SD goal): Goal 11 – Sustainable Cities and Communities
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Project Name	Green Screen		
Activity	Duration	Start Date	End Date
MVP 1	2 Weeks	Oct 19 / 2021	Nov 1 / 2021
Building Initial Architecture	<i>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</i>		
Setup Dashboard Environment	1/2 day	Oct 21 / 2021	Oct 22 / 2021
Build Reusable Components	1/2 day	Oct 21 / 2021	Oct 22 / 2021
CI / CD pipeline for building	1 day	Oct 22 / 2021	Oct 23 / 2021
Map and Waste Collection Zone integration	<i>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</i>		
Integrate OpenStreetView Maps	1 day	Oct 23 / 2021	Oct 24 / 2021
Integrate City of Regina Waste Collection Zone Layers	1 day	Oct 24 / 2021	Oct 25 / 2021
MVP 2	2 Weeks	Nov 2 / 2021	Nov 15 / 2021
Integrate Real World Data	<i>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</i>		
Build integrations with StreamSight API	1 day	Nov 5 / 2021	Nov 6 / 2021
Add API end points to retrieve data within the API	2 days	Nov 6 / 2021	Nov 7 / 2021
Add methods within the dashboard to display updated information	2 days	Nov 7 / 2021	Nov 9 / 2021



MVP 3	2 Weeks	Nov 16 / 2021	Nov 29 / 2021
Refine Analysis and Calculations	<i>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</i>		
Build Unit Tests	1 day	Nov 19 / 2021	Nov 20 / 2021
CI / CD Pipeline for testing	1 day	Nov 20 / 2021	Nov 21 / 2021
MVP 4	2 Weeks	Nov 30 / 2021	Dec 13 / 2021
Role Based Access Control	<i>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</i>		
Develop Standard Roles	1 day	Dec 3 / 2021	Dec 4 / 2021
Develop Permissions	1 day	Dec 5 / 2021	Dec 6 / 2021
Integrate User Accounts	2 days	Dec 10 / 2021	Dec 12 / 2021
MVP 5	2 Weeks	Jan 10 / 2022	Jan 24 / 2022
Notifications	<i>User Story: As a waste management worker, I would like to be actively notified when important events occur, so that I can be updated of any new information when it is available</i>		
Develop architecture for informing users when recycling is collected	1 day	Jan 10 / 2022	Jan 11 / 2022
Build API end points to retrieve Hazardous Contaminant data	1 day	Jan 11 / 2022	Jan 12 / 2022
Develop architecture for informing users when hazardous waste is detected	1 day	Jan 12 / 2022	Jan 13 / 2022