

ALX Foundations: Milestone 10 Worksheet

SECTION A: User Journey Map

Step 1: User Needs & Pain Points

What are your users' needs and pain points that your solution can address? State at least 6 pain points.

A good example of a pain point statement: "My user needs a way to stop their knees from bleeding." A bad example of a pain point statement: "My user needs a bandaid."

Step 1: Pain Points

- a. **Inadequate waste collection infrastructure:** The existing waste collection infrastructure in Lagos is insufficient to handle the volume of waste generated, leading to irregular or missed collections and accumulation of waste in residential areas.
- b. **Limited recycling facilities:** Lagos lacks adequate recycling facilities, which hinders the effective recycling of various materials, including plastics, paper, glass, and electronic waste.
- c. **There is a lack of awareness and understanding among the general public** regarding the importance of waste management and recycling, resulting in low levels of participation and compliance with waste disposal regulations.
- d. **Inefficient waste segregation:** Inadequate waste segregation at the source, both by households and businesses, hampers the recycling process and increases the amount of waste sent to landfills.
- e. **Pollution and environmental degradation:** Improper waste disposal practices contribute to pollution of air, water bodies, and soil in Lagos, causing negative impacts on ecosystems, public health, and the overall quality of life.
- f. **Informal waste picking and scavenging:** The prevalence of informal waste pickers and scavengers in Lagos indicates a gap in the formal waste management system,

leading to inefficient resource recovery and potential health risks for individuals involved in such activities.

Step 2: KPIs

Please list at least 3 KPIs for your solution to achieve in the next 3 months (if you were to get funding).

Step 2: KPIs

- a. **Waste Diversion Rate:** This KPI measures the percentage of waste that is diverted from landfills through recycling, composting, or other sustainable waste management practices. A higher waste diversion rate indicates effective recycling and resource recovery efforts.
- b. **Collection Efficiency:** This KPI assesses the efficiency of waste collection operations by measuring the percentage of scheduled waste collections successfully completed. A high collection efficiency signifies a well-functioning waste management system with timely and regular waste pickups.

Step 3: Constraints

Consider the following for your solution, and write 1 - 2 sentences for each question.

Step 3: Constraints

A. Name at least 1 potential ethical concern for your solution. (That is, in what way might your solution cause harm?)

1. **Ethical concerns.** One potential ethical concern for the solution of waste management and recycling in Lagos is the potential displacement and negative impact on informal waste pickers and scavengers. These individuals often rely on collecting and selling recyclable materials from waste for their livelihoods. Implementing more

formalized waste management systems and recycling facilities may disrupt their income-generating activities and threaten their socio-economic well-being. It is essential to address this concern by considering ways to integrate and support these informal waste workers in the formal waste management and recycling sector, ensuring their rights, safety, and fair economic opportunities are protected during the transition.

B. What is 1 strategy you could use to mitigate this ethical concern?

Recognition and collaboration: Recognize the valuable role of informal waste workers in the waste management ecosystem and involve them in the decision-making processes. Collaborate with relevant stakeholders, including informal worker associations, to develop inclusive policies and strategies.

C. What is one constraint or dependency (a condition or situation that your solution will rely on) that your solution has?

One constraint or dependency that the solution of waste management and recycling in Lagos may have is the availability of adequate financial resources. Implementing comprehensive waste management systems, building recycling facilities, conducting awareness campaigns, and supporting the integration of informal waste workers require substantial financial investments.

D. What is one strategy you could use to make this less of a concern?

One strategy to mitigate the constraint of limited financial resources for waste management and recycling in Lagos is to explore innovative financing mechanisms and engage in strategic partnerships.

E. What is 1 assumption you've made about your solution or your target users?

One assumption made about the solution for waste management and recycling in Lagos is that the target users, including households and businesses, are willing to adopt and actively participate in waste management practices. This assumption implies that once provided with adequate information and awareness, the target users will willingly engage in proper waste segregation, recycling, and other sustainable waste management behaviors.



Please go back to Canvas and continue with your learning content. You will be prompted on when to return to complete Section B.

SECTION B: Your Pitch

Step 4: Slide Deck

Please share the URL of your team's slide deck here. IMPORTANT: Please make sure the URL works and is visible to anyone with the link.

Make sure your slide deck meets all requirements in the *Team Online Activity: Create Your Pitch Slide Deck* on Canvas.

Step 4: Slide Deck URL

https://drive.google.com/file/d/1EGDrYIO9TUmbCSsVo9zST_Aks7UZMMXN/view?usp=sharing

Steps 5: Video

Please upload your video to youtube (you can choose to make it unlisted, but make sure it's not private.) Share the URL of your video here. **Make sure your video meets all requirements in Team Online Activity: Create Your Video** on Canvas.

Step 5: Video URL

<https://youtu.be/GkDHldvwzg4>

Step 6: Reflection

Please share a reflection on your team experience this past month.

Step 6: Reflection on Team Projects

A. What was the best thing about working in a team during Month 2?

Its very interesting working with a team, though it requires a lot of sacrifice.

B. What was the worst thing about working in a team during Month 2?

Not keeping to time fot meeting

C. Please share 1 thing you learned about yourself or about teamwork as a result of participating in your team project.

It helped self discovery, and as a team coming together to learn from ourselves

D. At ALX we know that learning to work as part of a team is a highly valued skill. How could we at ALX make Team Projects an even better experience for learners?

Inculcate more team activities in the modules

E. Please rate the following statement on a scale of 1 to 4: I have more confidence in my ability to work as part of a professional team as a result of my experience with this team project. (1= Strongly disagree, 4=Strongly Agree)

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F. Is there anything else you'd like to share about how things went this month with your team?

It was a great time together as a team.