

ALX Foundations: Milestone 8 Worksheet

SECTION A: Before Your Team Meeting

Step 1: Restate your team's problem statement

Please write your team's agreed-upon problem statement from Week 7 here:

Step 1: My Team's Problem Statement

The rapid urbanization of Nairobi has resulted in a significant increase in congestion, air pollution, and inadequate public transportation systems, severely impacting the quality of life for its residents.

Without a reliable and efficient transportation system, residents face significant challenges in navigating through the city center, leading to great inconvenience to all that have to access the CBD

The problem disproportionately affects low-income residents who often have limited access to private transportation and may struggle to afford alternative modes of transportation. A technological approach can be used to resolve this through coming up with a system that reduces congestion especially around parking lots.

Step 2: Bad Idea Brainstorm

BEFORE you meet with your team, conduct a Bad Idea Brainstorm with yourself. List at least 10 bad ideas for how you might solve your problem. You can get completely ridiculous. For example: Sharks with laser beams in their heads who burn up microplastics in the ocean, or bees that telepathically communicate in order to tutor children who don't have access to quality education, etc. The dumber the idea, the better! The purpose of this is to get your mind open to generating ideas without fear of them being wrong, dumb, or bad. (Stay in divergent thinking.) Need help? You can get inspiration from: <http://labs.jackpine.co/projects/FirstBadIdea/>

Step 2: Individual Bad Ideas

1. Use flying brooms
2. Hire more traffic police
3. Install traffic lights on roads that don't have
4. Teleportation
5. Flying cars
6. A shoe that detects faulty vehicles
7. Flying mats
8. A hole that gets you to any place you think of
9. A train that travels at the speed of light
- 10.
- 11.
- 12.

Step 3: Possible ideas

Next, list at least 5 “possible ideas” to address your problem. These do NOT have to be good ideas. The only constraint is that they should just be at least theoretically possible. They should involve some sort of technology (either a piece of software like an app or algorithm, or a physical device such as a robotic fish or machine that scans your DNA. You’re still in Divergent thinking here, so don’t judge your ideas as good or bad.

Step 3: Individual Possible Ideas

1. Create parking management system
2. Introduce limiters to entry in the CBD for commercial vehicles
3. Satellite scanners for traffic to show areas that are congested hence allowing fast response
4. An AI system that helps drivers navigate through modern towns.
- 5.
- 6.
- 7.

PLEASE BRING THE ABOVE WORK WITH YOU TO YOUR TEAM MEETING.

SECTION B: Team Meeting Output

Step 4: Meeting Date, Time, & Location

Please list when and where your team meeting took place.

Step 4: Meeting Date, Time, & Location

- A. Date: 28.06.023
- B. Time: 21:00
- C. Location: Online

Step 5: Meeting Attendees

Please list who attended your team meeting, and their primary role.

Step 5: Meeting Attendees

- 1. Daniel
- 2. Shadrack
- 3. Cynthia
- 4. Valentine
- 5.
- 6.

Step 6: Bad Idea Brainstorm (Team)

Everyone should share several of their previously bad ideas from Step 2 above. Then as a team, you must generate at least 10 more new bad ideas. Remember, the dumber the idea, the better! This is to help you work as a team to be non-critical. Stay in divergent thinking. It helps to say "thank you" after every idea is shared.

Step 6: Bad Ideas (Team)

- 1. Teleportation
- 2. Use flying brooms
- 3. Hire more traffic police
- 4. Install traffic lights on roads that don't have
- 5. Flying cars

6. A shoe that detects faulty vehicles
7. Flying mats
8. A hole that gets you to any place you think of

Step 7: Possible ideas (Team)

Next, everyone should share at least 2 of their possible ideas from Step 3 above. Your team then needs to come up with at least 5 new “possible ideas” to address your problem. The only constraint is that they should involve some sort of technology (either a piece of software like an app or algorithm, or a physical device such as a robotic fish or machine that scans your DNA. You’re still in Divergent thinking here, so don’t judge any ideas as good or bad. Again, it helps to say “thank you” after every idea is shared.

Step 7: Possible Ideas (Team)

1. QR code system for fare payment.
2. App for real time traffic update
3. App showing real-time availability of parking spaces
4. Payment scanning system for parking lots to reduce congestion at exit
5. Algorithm to predict state of traffic as to show areas with or without congestion.
- 6.
- 7.

Step 8: Narrowed Ideas

Your next task is to narrow your choices, which will put you in a convergent thinking mindset. You should have some discussion and debate about this, and try to reach consensus on 3 ideas for a solution (or partial solution) to your problem that your team is going to consider to work on for the rest of Month 2. These ideas can be totally new, or they can be the same or variations from ideas you’ve already come up with. Remember that they should involve some sort of technology (either a piece of software like an app or algorithm, or a physical device such as a robotic fish or machine that scans your DNA. You will not have to build the solution out. But you will have to create some type of basic prototype (if it is a device) or a set of wireframes (if it is an app/software). You will not have to actually create the technology nor code.

Step 8: Top 3 Ideas (Team)

1. Parking system app
2. QR code system for fare payment.
3. Carpooling

Step 9: Selected Solution

Lastly, your team must come to agreement on 1 idea for a solution (or partial solution) that you will work on for the rest of Month 2.

Remember the solution should involve some sort of technology, and it needs to be possible to create— but feel free to make it very ambitious! You will have to create some type of basic prototype (if it is a device) or set of wireframes (if it is an app/software). You will not have to actually create the technology.

You must figure out a fair way to reach consensus with your group, including discussion where everyone's voice can be heard.

Step 9: Team's Final Selected Solution Idea

Parking system app

Step 10: Action Items

In your meeting for Week 9, you will need to share work on a prototype or wireframes. Please list out here what specific people will do to contribute to this before the next meeting.

Step 10: Action Items

PERSON / COMMITTED ACTION:

1. Sign in/ Log in and landing page - Daniel
2. Payment page - Valentine/Purity
3. Available lots map - Cynthia
4. Notification and messages - Shadrack
- 5.
- 6.

SECTION C: Reflections

Step 11: Team Roles

Relist your team members' names and their primary roles.

Step 11: All team members & their roles

1. Shadrack - Project manager
2. Daniel - UX researcher
3. Cynthia. - Data analyst
4. Valentine - Data analyst
5. Purity - UI/UX designer
6. Innocent - Product manager

Step 12: Reflections

Please share your personal reflections on your experience with your team so far.

Step 12: Team Process Reflections

A. What is working well with your team?

We are able to collaborate on ideas in a seamless manner

B. What is one good thing that happened during your team meeting?

The members didn't shy off in sharing their opinions

C. What is one thing your team could do better in the next meeting?

We could work on keeping time for when the meetings are to start

D. Are you experiencing any concerns or frustrations with your team? If yes, what can you personally do to lessen the concern/frustration?

No, there are no concerns or frustrations

E. How would you rate your ability to communicate with your team members on a scale of 1 to 4? (1=extremely poor and 4=excellent) 3

F. Overall, how satisfied are you with how well your team is working together? (On a scale of 1 to 4, with 1=extremely poor and 4=excellent)

3;

G. Is there anything else you'd like to share about your team and their process?

.The team so far is great, however, sometimes some members aren't able to join in for the meetings.