

1. What was the date & time your team met?

12/07/2024 at 2:00 PM Cairo Time

2. What is your team group name?

Team Connect

3. What is your team's agreed-upon problem statement? It should be related to a GCGO, clear, well defined, including listing the population affected and addressable using technology. *Remember, it should be several sentences long, similar to the example provided in your **First Team Meeting Agenda**.*

The increasing frequency and intensity of extreme weather events due to climate change is disproportionately affecting rural farming communities in Sub-Saharan Africa. These communities are highly dependent on predictable weather patterns for their agricultural activities, which are their primary source of livelihood.

As climate change disrupts these patterns, farmers face challenges in planning their planting and harvesting schedules, leading to reduced crop yields, food insecurity, and economic instability. The problem is exacerbated by the lack of access to timely and accurate weather information and climate-resilient farming practices.

Addressing this issue requires the development of an accessible, technology-driven platform that provides real-time weather data, climate predictions, and guidance on adaptive agricultural practices tailored to the needs of these communities. By empowering farmers with the tools to adapt to changing climatic conditions, the solution aims to enhance food security and economic resilience in these vulnerable regions.

4. Share all your team roles, both primary and backup. Write the peer's name and the role(s) they are filling next to it. For example: *Josephine Oware - Project Manager (primary); Data Analyst (backup)*. Each team has 4 - 6 people and you must write at the very least 4 names and 4 team roles. But if for any reason you end up with fewer people, you can still write at least 4 roles (2 primary and 2 backup for each person.)

1. **Hend Ahmed** - Project Manager (primary); Data Analyst (backup)
2. **Heba Hantour** - Product Manager (primary); UX Researcher (backup)
3. **Mohamed Abozaid** - UX Researcher (primary); UI/UX Designer (backup)
4. **Mohamed Amr** - UI/UX Designer (primary); Product Manager (backup)

5. **Mahmoud Gamal** - Data Analyst (primary); Project Manager (backup)
6. **Abdelrahman Samy** - UI/UX Designer (secondary); Data Analyst (secondary)

5. What is the scheduled date and time of your Week 5 team meeting?

12/07/2024 at 2:00 PM Cairo Time

6. Share 2 data visualizations that are relevant to your team's problem statement and align with the team's goals and priorities. These are 2 of the top 3 visualizations that your team selected and agreed upon during **this second online group activity**.

Climate Change Impact on Crop Yields:

- **Description:** A line graph or heatmap showing the historical and projected changes in crop yields over time in Sub-Saharan Africa due to shifting weather patterns and extreme weather events.
- **Purpose:** This visualization can illustrate the direct impact of climate change on agricultural productivity, helping to highlight the urgency of developing adaptive strategies for farmers.

Access to Weather Information in Rural Areas:

- **Description:** A map highlighting regions in Sub-Saharan Africa with varying levels of access to real-time weather information and climate prediction services. Overlay this map with data on agricultural productivity or food insecurity levels.
- **Purpose:** This visualization can show the correlation between access to weather information and agricultural outcomes, emphasizing the need for a technology-driven platform to support farmers in areas with limited access to timely data.

7. What are your action items from the team meeting? (what do you need to do before the next meeting?)

Define Detailed Project Scope:

- **Action:** Outline the specific features and functionalities of the technology-driven platform, including user requirements and goals.
- **Responsible:** Product Manager

Conduct User Interviews:

- **Action:** Schedule and conduct interviews with rural farmers to understand their challenges with climate change and access to weather information.
- **Responsible:** UX Researcher

Design Initial Wireframes:

- **Action:** Create initial wireframes or mockups for the technology platform based on user research and project requirements.
- **Responsible:** UI/UX Designer

Collect and Analyze Data:

- **Action:** Gather data on historical crop yields, weather patterns, and access to information. Begin analyzing the data to identify trends and insights.
- **Responsible:** Data Analyst

Prepare Presentation for Next Meeting:

- **Action:** Compile findings from user research, data analysis, and design wireframes into a presentation for the next team meeting.
- **Responsible:** Project Manager

Set Up Project Management Tools:

- **Action:** Establish project management tools and processes for tracking progress, deadlines, and action items.
- **Responsible:** Project Manager

8. Provide the data visualizations that you worked on with your team, and in 2 - 3 sentences write your analysis of each visualization.

Climate Change Impact on Crop Yields:

- **Visualization:** A line graph showing historical and projected changes in crop yields in Sub-Saharan Africa from 2000 to 2050. The graph illustrates a declining trend in crop yields correlated with increased temperatures and extreme weather events.
- **Analysis:** The visualization highlights a clear downward trend in crop yields due to climate change, underscoring the growing challenge for farmers to maintain productivity. This trend supports the need for adaptive solutions that can help

farmers manage and mitigate the impacts of changing climatic conditions.

Access to Weather Information in Rural Areas:

- **Visualization:** A map of Sub-Saharan Africa with color-coded regions indicating the level of access to real-time weather information. Areas with limited access are overlaid with data on food insecurity and crop yield variability.
- **Analysis:** The map reveals a significant disparity in access to weather information, with regions lacking access also experiencing higher levels of food insecurity and crop yield variability. This visualization emphasizes the importance of improving access to weather data as a means to enhance agricultural resilience and food security in vulnerable areas.

9. Write a reflection on your experience and your team's effectiveness so far. Be sure to include:

What is working well with your team?

- The team is effectively collaborating and sharing ideas, leading to productive brainstorming sessions and clear progress on tasks. The diverse skill sets among team members are being well-utilized, with each person contributing valuable insights and expertise.

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

- During our last meeting, we successfully aligned on the project scope and defined clear roles and responsibilities. This clarity has streamlined our workflow and increased our confidence in moving forward with the project.

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

- The team could improve on time management by setting stricter agendas and ensuring that all discussion points are covered within the allotted time. This would help in maintaining focus and efficiency during meetings.

Are you experiencing any frustrations with your team? If yes, what can you personally do to lessen the frustration?

- One frustration is the occasional lack of clarity in task assignments, which can lead to overlapping efforts. To address this, I can take a proactive role in

clarifying tasks and ensuring everyone is on the same page, and I can encourage more precise communication.

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)

- I would rate my ability to communicate with team members as a 3. There is generally good communication, but there is room for improvement in ensuring all voices are heard and understood clearly.

What is your biggest concern about working with your team during Month 2?

- My biggest concern is maintaining momentum and ensuring that all team members stay engaged and on track with their tasks, especially as the project becomes more complex.

How might you address that concern as a team?

- To address this concern, the team can implement regular check-ins and status updates to monitor progress and address any issues promptly. Additionally, setting short-term goals and celebrating milestones can help maintain motivation and engagement.

What is one hope you have for your team during Month 2?

- I hope that the team will continue to build on our initial successes by improving our efficiency and collaboration, leading to the successful development and implementation of our proposed solution.

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)

- I would rate my satisfaction with the team's performance as a 3. The team is working well together, but there are areas for improvement, particularly in communication and task management.