**Project Initialization and Planning Phase**

| Date | 6 October 2025 |
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| Team ID | xxxxxx |
| Project Name | Predicting Plant Growth Stages with Environmental and Management Data Using Power BI |
| Maximum Marks | 3 Marks |

**Define Problem Statements (Customer Problem Statement Template):**

The Customer Problem Statement template helps you and your team empathize with customers and find the ideal solution for their challenges.

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| --- | --- | --- |
| Segment | Description/Focus | Project-Specific Content |
| I am | Describe customer with 3-4 key characteristics—who are they? | **A Commercial Grower/Researcher** |
| I’m trying to | List the outcome or 'job' they care about—what are they trying to achieve? | Optimize my growing conditions to reliably achieve maximum crop yield (Growth Milestone). |
| But | Describe what problems or barriers stand in the way—what bothers them most? | I cannot determine which combination of care factors (soil, water, fertilizer) and environmental conditions (temp, sunlight, humidity) is most effective. |
| Because | Enter the 'root cause' of why the problem or barrier exists—what needs to be solved? | I lack clear, visual evidence and quantified insights that definitively link specific variables to the success or failure of the Growth Milestone in my current data. |
| Which makes me feel | Describe the emotions that result from experiencing the problems or barriers. | **Uncertain and Frustrated** about maximizing my resources and potential profits. |

Reference: https://miro.com/templates/customer-problem-statement/

**Example:**

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| --- | --- | --- | --- | --- | --- |
| **Problem**  **Statement (PS)** | **I am**  **(Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | A Commercial Grower/Researcher | Optimize my growing conditions to reliably achieve maximum crop yield (Growth Milestone) | I cannot determine which combination of care factors (soil, water, fertilizer) and environmental conditions (temp, sunlight, humidity) is most effective | I lack clear, visual evidence and quantified insights that definitively link specific variables to the success or failure of the Growth Milestone in my current data. | Uncertain and Frustrated |
| PS-2 | Optional: A related problem statement focusing on a different user attribute or barrier, e.g., lack of quick reporting. | [e.g., Quickly share data-driven recommendations with my field team] | [e.g., The data is scattered across spreadsheets] | [e.g., I don't have an interactive dashboard.] | [e.g., Inefficient and Slow to act.] |