

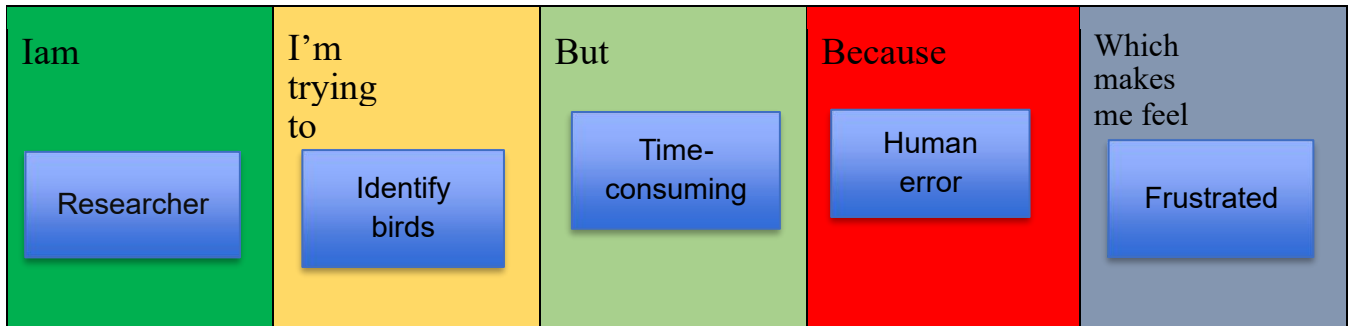
## Project Initialization and Planning Phase

|               |                             |
|---------------|-----------------------------|
| Date          | 15 September 2024           |
| Team ID       | 739949                      |
| Project Name  | Bird Species Classification |
| Maximum Marks | 3 Marks                     |

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

Bird species identification is a challenging task for researchers, conservationists, and bird enthusiasts. Traditional methods rely on manual identification, which is time-consuming, prone to human error, and requires expert knowledge. With the rise of machine learning and deep learning, automated classification systems can improve accuracy and efficiency.

|                     |   |  |
|---------------------|---|--|
| I am                | Identify the user experiencing the problem.           | A researcher, conservationist, or bird enthusiast.                   |
| I'm Trying to       | Define the goal or task the user wants to accomplish. | Identify bird species accurately.                                    |
| But                 | Describe the obstacle preventing success.             | Traditional methods are time-consuming and require expert knowledge. |
| Because             | Explain why the obstacle exists.                      | Manual identification is prone to human error and inefficiency.      |
| Which makes me feel | Capture the emotional impact on the user.             | Frustrated and in need of a more accurate and efficient solution.    |



**Example:**

| Problem Statement (PS) | I am (Customer) | I'm trying to                  | But               | Because           | Which makes me feel |
|------------------------|-----------------|--------------------------------|-------------------|-------------------|---------------------|
| PS-1                   | Researcher      | Identify birds                 | Time-consuming    | Human error       | Frustrated          |
| PS-2                   | Bird Enthusiast | Recognize bird species quickly | Limited knowledge | Misidentification | Disappointed        |