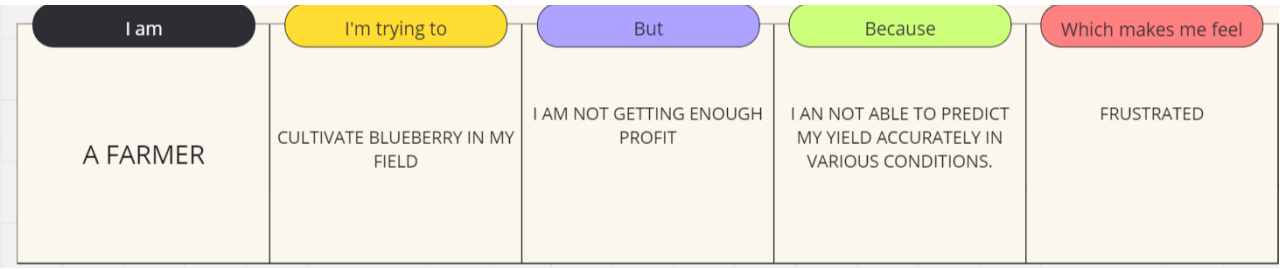
Project Initialization and Planning Phase

Date	12 July 2024
Team ID	SWTID1720077079
Project Name	Wild Blueberry Yield Prediction
Maximum Marks	3 Marks

Problem Statement:

Blueberry farmers face significant challenges in predicting their yield accurately due to reliance on traditional methods, unpredictable weather patterns, soil conditions, and pest infestations, leading to financial instability from overestimation or underestimation of produce. There is a critical need for a reliable, precise yield prediction system utilizing machine learning to provide accurate predictions that consider various factors such as weather, soil health, and pest activity. This system will enable farmers to plan their harvesting and marketing strategies, optimize resource allocation, enhance financial planning, reduce waste, and improve overall productivity. By addressing these needs, the machine learning-based Blueberry Yield Prediction System aims to offer accurate and timely yield predictions, insights into crop yield factors, data-driven recommendations for crop management, and a user-friendly interface, ultimately contributing to increased productivity, better financial planning, and enhanced sustainability in blueberry farming. Success will be measured by reduction in yield prediction errors, increased farmers' income, user satisfaction, and improved resource utilization.



Problem Statement (PS)	I am	I'm trying to	But	Because	Which makes me feel
PS-1	Farmer	To cultivate	Have low profits	Of poor yield	Poor
PS-2	Middle man	Buy product from farmers	No fixed income	Of variation in production	Disappointed

PS-3	Consumer	Get the fruits from shop	It may not be available when I want	Of unpredictable production	Malnourish ment