

Project Initialization and Planning Phase

PS No.	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS- 1	A consumer who wants to buy mushrooms	Purchase mushrooms safely	I am scared of wild mushrooms	I don't know which ones are poisonous	Unsure and unsafe about what I consume
PS- 2	A shopkeeper	Sell safe, fresh mushrooms	I'm concerned about customer health	Mushrooms are perishable and hard to identify	Stressed about quality and customer trust
PS- 3	A restaurant owner	Use high-quality mushrooms in dishes	I struggle to find reliable sources	Some mushrooms may be harmful	Worried about safety and my business reputation

PS- 4	A biology student or forager	Learn and identify mushroom species	I find it hard to tell species apart	They look very similar	Confused, frustrated, and hesitant
Date			26 January 2026		
Student Name			Sammed Sunil Awati		
Project Name			Uncovering The Hidden Treasures Of The Mushroom Kingdom: A Classification Analysis		
Maximum Marks			3 Marks		

Problem Statements (Uncovering The Hidden Treasures Of The Mushroom Kingdom: A Classification Analysis):

PS- 5	A tech researcher	Build an AI mushroom classification system	I lack a robust image dataset	Mushrooms vary by species and environment	Limited and technically challenged
PS- 6	An environmentalist	Promote sustainable mushroom harvesting	It's hard to track species impact	Lack of identification tools in the wild	Worried about overharvesting and ecology
PS- 7	A parent	Teach my kids about safe foraging	I'm scared they might pick poisonous ones	I can't reliably teach what's safe	Anxious and unconfident as a guide



PS- 8	A pharmaceutical researcher	Discover medicinal mushrooms	Identification is slow and manual	Misidentification risks research accuracy	Limited in drug discovery and progress
PS- 9	An AI/ML student	Train a deep learning model on mushrooms	There are too many similar-looking samples	Labeling is expensive and hard	Overwhelmed and unsure of training data quality
PS- 10	An NGO field worker	Educate rural communities about mushrooms	There's no easy tool for live identification	Language and tech access barriers exist	Helpless in reaching and empowering locals
PS- 11	A grocery buyer for supermarkets	Source large quantities of safe mushrooms	I can't verify all sources accurately	Suppliers may mix types or store improperly	Concerned about liability and customer complaints

PS- 12	A food delivery aggregator	Support mushroom-based dish partners	Restaurants may use unsafe ingredients	They lack easy ID tools	Worried about brand image and customer safety
PS- 13	A forest ranger	Monitor mushroom types in protected areas	I can't classify them efficiently in the field	Many are undocumented or rare	Frustrated by lack of real-time identification
PS- 14	A healthconscious individual	Track the health benefits of different mushrooms	I can't identify what's in the store or dish	There's no easy app for instant scanning	Disappointed and disconnected from my health goals