**Project Initialization and Planning Phase**

| Date | 29 April 2025 |
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| Skillwallet ID | **SWUID20250148853** |
| 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):**

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| **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 |
| **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 health-conscious 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 | |