Creating a dataset of aromatic flowers involves systematically collecting information on various fragrant flower species, including their botanical names, scent profiles, blooming seasons, native regions, and uses in perfumery, medicine, or horticulture. High-quality images, environmental data (like soil and climate preferences), and volatile compound analysis (e.g., via gas chromatography) can enrich the dataset. Sources may include botanical gardens, research publications, floriculture databases, and field observations. Proper labeling and classification by scent types—such as floral, spicy, citrusy, or woody—enhance the dataset's utility for applications in machine learning, plant taxonomy, and fragrance development.
Here a flowchart of making an aromatic flower dataset: