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| Event | Trigger | Source | Use Case | Response | Destination |
| A registration form will be shown if the user hasn’t created an account for the app yet (or wants to create a new account for the app) | User registration | User | User Registers | Display Register form | User/System |
| User has photographed a plant for identification | User wants to identify a certain plant | User | Captures Plant Image | System prepares image for identification | System |
| System compares image with training data set | System receives photo | System | Process Image | System displays identified plant match | User |
| System creates report if plant match is not found | Plant cannot be identified by system | System | Create Not Found report | System generates Plant Not Found report | User/System |
| User reports incorrect/missing location | Report from user | User | Create Mislocation report | System generates Mislocation report | User/System |
| User wants to add or edit plant information in the plant glossary | User adds/edits plant information in the plant glossary | User | Create Add/Edit Plant Information Request | System generates Add/Edit Plant Information Request for the admin | Admin/System |
| Admin responds to requests and reports | Requests and reports from user | Admin | Validate Report and Request | Admin validates reports and requests | User/System |
| Admin updates plant glossary | Admin updates plant details in the system | Admin | Update Plant Glossary | System updates plant glossary | System |
| System generates reports | Admin requests for System Reports | Admin | Generate System Reports | System displays reports | Admin/System |