

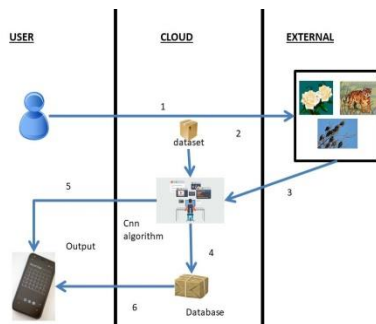
Project Design Phase-II

Data Flow Diagram & User Stories

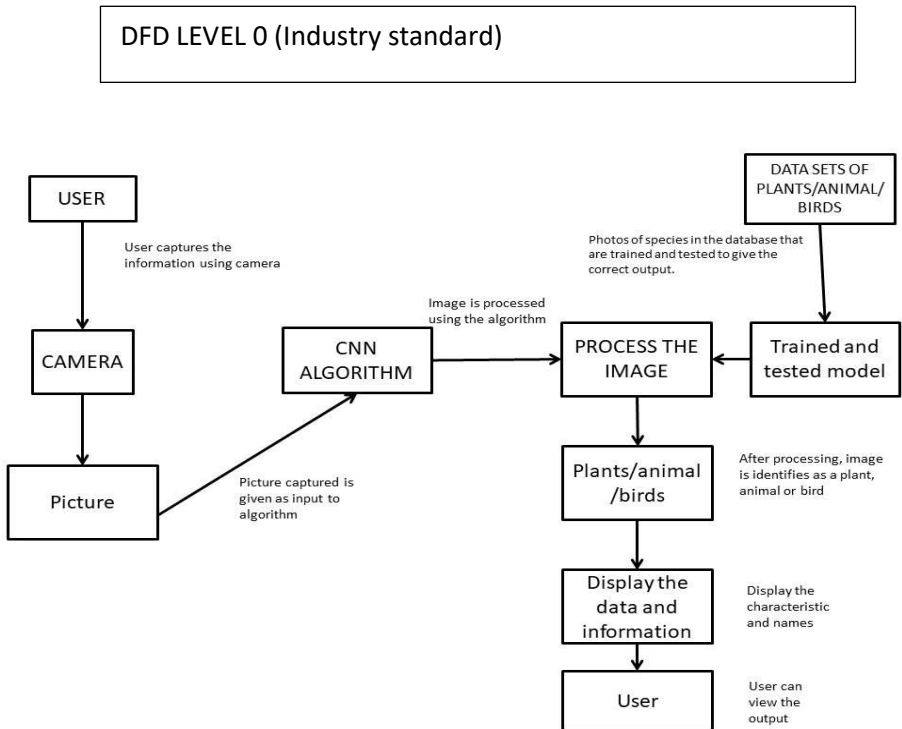
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|---------------|--|
| Date | 14 October 2022 |
| Team ID | PNT2022TMID25592 |
| Project Name | Project- Digital Naturalist - AI Enabled tool for Biodiversity Researchers |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

Example: (Simplified)



1. User captures photo using camera
2. Dataset contains photos that are used for training and testing
3. Photo is sent to cnn for classification and processing based on dataset
4. Processed image is checked with database for additional info
5. Photo from CNN algorithm is sent to the user
6. Matching data from database is sent to the user



User Stories

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority |
|------------------------|-------------------------------|-------------------|---|--|----------|
| Customer (Mobile user) | Image capture | USN-1 | As a user, I can take photos of the plant life, animals and birds | I can take photos when required | High |
| | | USN-2 | As a user, I will receive processed information about the type of species | I can see the type of plant or animal or plant | High |
| | | USN-3 | As a user, I can share it with others | I can share using share option | Low |
| | Data process | USN-4 | Data must be trained and tested and CNN algorithm must work properly. | I must see the correct processed information | High |
| | Output | USN-5 | As a user, I can see the scientific name of the species | I must see the correct data | High |
| | | USN-6 | As a user, I can see the characteristics and alert messages | I must see the correct data | High |
| Administrator | Manage | USN-1 | As a admin I must add various data and edit information | I must edit the data present | High |