

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

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|---------------|------------------------------|
| Date | 19 October 2022 |
| Project Name | Project – Digital Naturalist |
| Maximum Marks | 4 Marks |

Functional Requirements:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|---|
| FR-1 | User Registration | Registration through Gmail Registration through form |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Interface | A webpage for user interaction |
| FR-4 | AI Model | A model to classify the images |
| FR-5 | User Input | User provides image input through camera |
| FR-6 | Output | Results shown through prompt |
| FR-7 | Discussion Forum | Discussion and comments of other users are displayed |
| FR-8 | User History | Provides history of user classified species |

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | Easy to use and provides accurate results |
| NFR-2 | Security | Secure user information |
| NFR-3 | Reliability | User gets the name of the species accurately |
| NFR-4 | Performance | Provides faster and accurate results |
| NFR-5 | Availability | Can be used @4/7 |
| NFR-6 | Scalability | Can classify large number of species |