**Amazon Web Service (AWS)**

Platform for hosting websites and services online provided by Amazon.

**Application Programming Interface (API)**

A set of clearly defined methods to communicate with a piece of software. Allows for simpler access to the databases.

**Architectural model**

A model of the software showing the various layers and the components of each layer.

**Biodiversity Information Serving Our Nation (BISON)**

Database and mapping resource of species occurrence data in the United States.

**Cache**

Local storage of data for faster access.

**Context Diagram**

Model showing the interaction between the software and external entities.

**Data Flow Diagram**

Model showing the data being transferred between two or more entities.

**Encyclopedia Of Life (EOL)**

Database of species across the globe containing descriptions, images, common names, and other data.

**Functional Requirements (FR)**

Requirements for what the application should do and functionality it should have.

**Geographic Information System (GIS)**

Data related to biome and habitats based on geographic location.

**Global Biodiversity Information Facility (GBIF)**

Database of species occurrence data across the globe containing mapping services, names, identifiers, and descriptions.

**Global Positioning System (GPS)**

System for locating a specific position on the globe.

**Google’s Vision API**

API for analyzing the content of an image using machine learning.

**Image Recognition (IR)**

Programmatically analyzing and identifying what is contained by an image.

**Local Database**

Database of offline data and media recorded by the user.

**Non-functional Requirements (NFR)**

Requirement on how well the system as a whole operates and what platforms it runs on.

**Prototype**

Initial version of the project for testing and feedback.

**Query**

Request sent to a database for information.

**System Requirements**

Requirements defining the limits of the system, including data types and lengths.

**Taxonomy**

Science of naming groups of biological organisms.

**Use Case Diagram**

Diagram showing how different entities interact with different systems of the software.

**User Interface (UI)**

The components of the software that the user interacts with to manipulate the application.

**MediaWiki**

API for accessing the information hosted by Wikipedia.