## DATA STRUCTURES AND DATA STORE DESCRIPTION

	KEY	DATA TYPE	DATA SIZE/LENGTH	DESCRIPTION
STDUCTURE 4 DAVA	/ SIGHTINGS			
STRUCTURE-1 RAW		Intogor	2 bytes	Stores the ID for the eighting
Sighting ID Count	Primary Key not null	Integer Integer	2 bytes 2 bytes	Stores the ID for the sighting  Number of birds spotted
Species ID	Foreign Key	Integer	2 bytes	Stores the ID of the species sighted
Date Time	not null	Date-Time	2 bytes	Time at which sighting is recorded
ocation Longitude	not null	Float	4 bytes	Longitude of sighting location
ocation Latitude	not null	Float	4 bytes	Latitude of sighting location
Jser ID	Foreign Key	Integer	2 bytes	ID of the user who entered the sighting
mage	roreignitey	Binary	2 bytes	Image of the bird sighted
	ructure stores the da		s that are inputted by the user	image of the bird signica
FROM PROCESS: 3-Si			s that are inputted by the user	
O PROCESS: 2.2-Fina	-	-Osci Ratification		
O PROCESS. 2.2-Filla	ai Ratilication			
STRUCTURE-2 RATI	IEIED SICHTING			
			0.1.1.	ID for the considering information of an arise stability and the bound of a place and form
Sighting Id	Primary Key	Integer	2 bytes	ID for the cumulative information of species sightings which happened at a place and time
Species ID	Foreign Key	Integer	2 bytes	ID of the species sighted
Location	Foreign Key	Integer	2 bytes	ID of location
Count	not null	Integer	2 bytes	Number of specimens seen
Number of Sightings	not null	Integer	2 bytes	Number of sightings of the specimen
Month	not null	Text	50 Characters	Stores the month of sighting
mage		Binary		Image of particular sighting
			users and can provide digestible info	rmation about sightings
FROM PROCESS: 2.2-1	Final Rtification, 3-Si	ighting Retrieval		
TO PROCESS:				
STRUCTURE-3 SPE	CIES			
Species ID	Primary Key	Integer	2 bytes	ID of the species
Common Name	not null	Text	50 Characters	Common name of the species
Scientific Name	not null	Text	50 Characters	Scientific Name of the species
DESCRIPTION: Stores i			30 Gridiacters	Odernine Name of the species
			Add 0 '	
FROM PROCESS: 3.3.	1-Species Retrieval,	2.2-Final Ratification, 2.3	-Add Species	
TO PROCESS:				
STRUCTURE-4 LOC	ATIONS			
ocation ID	Primary Key	Integer	2 bytes	ID of the location grid
_ongitude Start	not null	Float	4 bytes	Begining longitude of the grid
Longitude Start		Float		
Lonaituae Ena	not null		4 bytes	Ending longitude of the grid
			4 bytes	Begining latitude of the grid
Latitude Start	not null	Float	4 14	Ending latitude of the grid
Latitude Start Latitude End	not null	Float	4 bytes	- I am granter or the gran
Latitude Start Latitude End <b>DESCRIPTION:</b> Stores t	not null the list of location gri	Float ids in which sightings hav	_ · _ •	
_atitude Start _atitude End	not null the list of location gri	Float ids in which sightings hav	_ · _ •	
Latitude Start Latitude End DESCRIPTION: Stores to FROM PROCESS: 3.3.2	not null the list of location gri	Float ids in which sightings hav	_ · _ •	
Latitude Start Latitude End DESCRIPTION: Stores to FROM PROCESS: 3.3.2	not null the list of location gri	Float ids in which sightings hav	_ · _ •	
Latitude Start Latitude End DESCRIPTION: Stores to FROM PROCESS: 3.3.2	not null the list of location gri	Float ids in which sightings hav	_ · _ •	
Latitude Start Latitude End DESCRIPTION: Stores 1 FROM PROCESS: 3.3.2	not null the list of location gri 2-Location Retrieval	Float ids in which sightings hav	_ · _ •	
Latitude Start Latitude End DESCRIPTION: Stores to FROM PROCESS: 3.3.2 TO PROCESS:	not null the list of location gri 2-Location Retrieval  R INFORMATION	Float ids in which sightings hav	ve been submitted	
Latitude Start Latitude End DESCRIPTION: Stores 1 FROM PROCESS: 3.3.2 TO PROCESS: STRUCTURE-5 USEI USER ID	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key	Float ids in which sightings have  N Integer	ze been submitted	ID for a particular user
Latitude Start Latitude End DESCRIPTION: Stores for Start Stores for Stores for Stores for Stores for Stores for Start S	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null	Float ids in which sightings have  N Integer Text	2 bytes 50 Characters	ID for a particular user Name of the user
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 TO PROCESS: STRUCTURE-5 USE! User ID Username E-mail	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null	Float ids in which sightings have  N Integer Text Text	2 bytes 50 Characters 50 Characters	ID for a particular user Name of the user Email
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 FO PROCESS:  STRUCTURE-5 USE Jser ID Jsername E-mail Password	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null	Float ids in which sightings have  V Integer Text Text Text Text	2 bytes 50 Characters	ID for a particular user Name of the user
Latitude Start Latitude End DESCRIPTION: Stores of FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USE User ID Username E-mail Password DESCRIPTION: Stores of	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details	Float ids in which sightings have  V Integer Text Text Text Text Text of the user and user ID	2 bytes 50 Characters 50 Characters	ID for a particular user Name of the user Email
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USE Journal Description of the process of the	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Proces	Float ids in which sightings have  V Integer Text Text Text Text Text of the user and user ID	2 bytes 50 Characters 50 Characters	ID for a particular user Name of the user Email
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USEI User ID Username E-mail Password DESCRIPTION: Stores in FROM PROCESS: 1-Use	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Proces	Float ids in which sightings have  V Integer Text Text Text Text Text of the user and user ID	2 bytes 50 Characters 50 Characters	ID for a particular user Name of the user Email
_atitude Start _atitude End <b>DESCRIPTION:</b> Stores t	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Proces	Float ids in which sightings have  V Integer Text Text Text Text Text of the user and user ID	2 bytes 50 Characters 50 Characters	ID for a particular user Name of the user Email
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USE Journal Description of the process of the	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Proces	Float ids in which sightings have  V Integer Text Text Text Text Text of the user and user ID	2 bytes 50 Characters 50 Characters	ID for a particular user Name of the user Email
Latitude Start Latitude End DESCRIPTION: Stores in the start of the st	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null the personal details ser Information Process	Float ids in which sightings have  V Integer Text Text Text Text Text of the user and user ID	2 bytes 50 Characters 50 Characters	ID for a particular user Name of the user Email
Latitude Start Latitude End DESCRIPTION: Stores of FROM PROCESS: 3.3.2 FO PROCESS:  STRUCTURE-5 USEI User ID Username E-mail Password DESCRIPTION: Stores of FROM PROCESS: 1-User I FO PROCESS: 1-User I	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process Information Process  R DETAILS	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess	2 bytes 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USEI User ID Username E-mail Password DESCRIPTION: Stores in FROM PROCESS: 1-User I TO PROCESS: 1-User I STRUCTURE-6 USEI Username	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null the personal details ser Information Process Information Process  R DETAILS not null	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text	2 bytes 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user
Latitude Start Latitude End DESCRIPTION: Stores of FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USEI User ID Username E-mail Password DESCRIPTION: Stores of FROM PROCESS: 1-User I TO PROCESS: 1-User I STRUCTURE-6 USEI Username E-mail	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process Information Process  R DETAILS not null not null	Float ids in which sightings have  V Integer Text Text Text Text of the user and user ID ess  Text Text Text	2 bytes 50 Characters 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Email
Latitude Start Latitude End DESCRIPTION: Stores of FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USEI User ID Username E-mail Password DESCRIPTION: Stores of FROM PROCESS: 1-User I STRUCTURE-6 USEI Username E-mail Description	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details are Information Process Information Process  R DETAILS not null not null not null not null	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user
Latitude Start Latitude End DESCRIPTION: Stores in the start of the st	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null the personal details ser Information Process Information Process  R DETAILS not null not null not null the personal details	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Email
Latitude Start Latitude End DESCRIPTION: Stores in the start in the st	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null the personal details ser Information Process	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Email
Latitude Start Latitude End DESCRIPTION: Stores in the start in the st	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null the personal details ser Information Process	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Email
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USEI User ID Username E-mail Password DESCRIPTION: Stores in FROM PROCESS: 1-User I TO PROCESS: 1-User I STRUCTURE-6 USEI Username	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null the personal details ser Information Process	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Email
Latitude Start Latitude End DESCRIPTION: Stores in the start in the st	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null the personal details ser Information Process	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Email
Latitude Start Latitude End DESCRIPTION: Stores of FROM PROCESS: 3.3.2 FO PROCESS:  STRUCTURE-5 USEI User ID Username E-mail Password DESCRIPTION: Stores of FROM PROCESS: 1-User I Username E-mail Description: Stores of STRUCTURE-6 USEI Username E-mail	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null the personal details ser Information Process	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 50 Characters 50 Characters 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Email
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 TO PROCESS:  STRUCTURE-5 USEIN DESCRIPTION: Stores in FROM PROCESS: 1-User In Description of the Process in FROM PROCESS: 1-User In Description of the Process in FROM PROCESS: 1-User In Description of the Process in FROM PROCESS: 1-User In Description of the Process in FROM PROCESS: 1-User In The Process in The Process in FROM PROCESS: 1-User In The Process in T	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null the personal details ser Information Process  R DETAILS not null not null not null the personal details ser Information Process  R DETAILS A Not null Not null Not null Not null R AUTHENTICA	Float ids in which sightings have  N Integer Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Password  Password
Latitude Start Latitude End DESCRIPTION: Stores in the start of the st	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details are Information Process  R DETAILS not null not null the personal details are Information Process  R DETAILS A R Primary Key  R AUTHENTICA  Primary Key	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Integer Tion dess Integer	2 bytes 50 Characters 2 bytes	ID for a particular user Name of the user Email Password  Name of the user Email Password  ID for a particular user
Latitude Start Latitude End DESCRIPTION: Stores of FROM PROCESS: 3.3.2  STRUCTURE-5 USEI USer ID Username E-mail Password DESCRIPTION: Stores of FROM PROCESS: 1-User I USername E-mail Description: Stores of FROM PROCESS: 1-User I USERNAME E-mail Description: Stores of FROM PROCESS: 1-User I USERNAME E-mail Description: Stores of FROM PROCESS: 1-User I USERNAME E-Mail Description: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I USERNAME E-MAIL DESCRIPTION: Stores of FROM PROCESS: 1-User I	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null the personal details ser Information Process  R DETAILS  R DETAILS  R DETAILS  R DETAILS  R DETAILS  R OUTHENTICAT Primary Key not null	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Password  ID for a particular user Name of the user
Latitude Start Latitude End DESCRIPTION: Stores in FROM PROCESS: 3.3.2 FO PROCESS:  STRUCTURE-5 USE! User ID Username E-mail Password DESCRIPTION: Stores in FROM PROCESS: 1-User ID Username E-mail Password DESCRIPTION: Stores in FROM PROCESS: 1-User ID Username E-mail Password DESCRIPTION: Stores in FROM PROCESS: 1-User ID Username FROM PROCESS: 1-User ID Username Token	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null the personal details ser Information Process  R DETAILS  rot null not null rot null	Float ids in which sightings have  N Integer Text Text Text Text of the user and user ID ess  Text Text Text Text Text Text Text Tex	2 bytes 50 Characters 40 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Password  ID for a particular user
Attitude Start Latitude End DESCRIPTION: Stores of FROM PROCESS: 3.3.2 DESCRIPTION: Stores of TRUCTURE-5 USEI DISTRICTURE-5 USEI DISTRICTURE-5 USEI DISTRICTURE-6 USEI DESCRIPTION: Stores of TRUCTURE-6 USEI DESCRIPTION: Stores of TRUCTURE-6 USEI DESCRIPTION: Stores of TRUCTURE-7 USEI	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details are Information Process  R DETAILS not null not null not null the personal details are Information Process  R DETAILS A Not null not null not null not null the personal details are Information Process  R AUTHENTICA Primary Key not null not null user info related for light	Integer Text Text Text Text Text Text Text Text	2 bytes 50 Characters 40 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Password  ID for a particular user Name of the user
atitude Start atitude End DESCRIPTION: Stores in ROM PROCESS: 3.3.2 TO PROCESS:  BITRUCTURE-5 USE DISSERIAN DESCRIPTION: Stores in ROM PROCESS: 1-User In DISSERIAN DESCRIPTION: Stores in DESCRIPTION: Stores	not null the list of location gri 2-Location Retrieval  R INFORMATION Primary Key not null not null not null the personal details ser Information Process  R DETAILS not null not null not null the personal details ser Information Process  R DETAILS  Not null not null not null not null the personal details ser Information Process  R AUTHENTICAT Primary Key not null not null user info related for lear Information Process	Integer Text Text Text Text Text Text Text Text	2 bytes 50 Characters 40 Characters	ID for a particular user Name of the user Email Password  Name of the user Email Password  ID for a particular user Name of the user

## **DATA FLOW DESCRIPTION**

ATA FLOW NAME	DESCRIPTION	FROM	то	DATA STRUCTURE
ISER INFORMATION				
Registration	Contains user details	User Entity	1 User Info process	USER DETAILS
		1 User Info process	User Details Table	
rocess Registration response	Confirmation of adding user to database	User Details Table	1 User Info process	USER DETAILS
ser Registration response	Confirmation of adding user to database	1 User Info process	User Entity	USER AUTH DETAILS + USER DETAILS
<u> </u>	J	1 11333		
ser Login	Contains user details for login	User Entity	1 User Info process	USER DETAILS
		1 User Info process	User Details Table	
ser Login Confirmation	Confirmation about user details	User Details Table	1 User Info process	Confirmation message
ser Login Response	Token and confirmation message for login	1 User Info process	User Entity	USER AUTH DETAILS
ser Logiii Nesponse	Token and commitmation message for login	1 Oser into process	OSCI LITHLY	OCENTACTITUE TAILS
Ipdate user Information	Contains updated personal details of user like	User Entity	1 User Info process	USER INFORMATION
puate user information	Contains appeared personal details of user like	1 User Info process	User Details Table	OOLIVIIVI ONWATION
ndata usor information reasons	Confirmation for undating upor details	User Details Table		Confirmation massage
pdate user information response	Confirmation for updating user details		1 User Info process	Confirmation message
		1 User Info process	User Entity	
	Description all the data about aureant year	Hoor Entity	1 Hear Info process	Lieur Information Degrees
equest user Info	Request for all the data about current user	User Entity	1 User Info process	User Information Request
		1 User Info process	User Details Table	
ser Information Response	Returns user data from database	User Details Table	1 User Info process	USER INFORMATION
		1 User Info process	User Entity	
GHTING INPUT				
ew Sighting Input	Contains information about a new sighting	User Entity	2.1 User Ratification	RAW SIGHTING
aw Sighting Input	Information about a new sighting	2.1 User Ratification	Raw Sightings Table	RAW SIGHTING
ser Ratification	Shows user the sightings which need to be ratified	2.1 User Ratification	User Entity B	RAW SIGHTING
ser Ratification Result	Updated sighting information	User Entity B	2.1 User Ratification	RAW SIGHTING
ser Ratified Sightings	User ratified sightings goes for final confirmation	2.1 User Ratification	2.2 Final Ratification	RAW SIGHTING
pecies Confirmation	Request to for species information	2.2 Final Ratification	Species Databse	Species Database Request
pecies Confirmation Result	Species information	Species Databse	2.2 Final Ratification	SPECIES
	<u> </u>	2.2 Final Ratification		RAW SIGHTING
kpert Ratification	Sighting Information for expert verification		Expert Entity	
xpert Ratification Result	Confirmation/Denial about sighting possibilty	Expert Entity	2.2 Final Ratification	Confirmation message
ew Species	Species information to be added in database	2.2 Final Ratification	Admin	SPECIES
		Admin	2.3 Add Species	
		2.3 Add Species	Species Databse	
efined Sighting	Refined sighting information	2.2 Final Ratification	Refined Sighting Database	REFINED SIGHTING
ghting addition confirmation	Confirmation message about user's sighting	2.2 Final Ratification	2.1 User Ratification	Confirmation message
		2.1 User Ratification	User Entity	
IGHTING RETRIEVAL				
ROCESS 3.1				
equest Species List	Request for a list of species based on a condition	User Entity	3.1.1 Species Retrieval	Species List Request
equest openes List	Trequest for a list of species based of a condition	3.1.1 Species Retrieval	Species Database	Opedies List Request
nacion List December	Contains a list of angeles		<del> </del>	edecire.
pecies List Response	Contains a list of species	Species Database	3.1.1 Species Retrieval	SPECIES
		3.1.1 Species Retrieval	User Entity	
pecies ID Sighting Request	Request for sightings of a scpecies based on ID	User Entity	3.1.1Species Retrieval	Species Sighting Request
		3.1.1 Species Retrieval	3.1.2 Sighting Retrieval	
		3.1.2 Sighting Retrieval	Refined Sighting Database	
pecies sighting Response	List of refined sightings for the species	Refined Sighting Database	3.1.2 Sighting Retrieval	REFINED SIGHTINGS
		3.1.2 Sighting Retrieval	3.1.1 Species Retrieval	
		3.1.1 Species Retrieval	User Entity	
ROCESS 3.2		· ·		
equest Location List	Request for a list of location grids based on a condition	User Entity	3.2.1 Locations Retrieval	Locations List Request
	, 3 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.2.1 Locations Retrieval	Locations Database	
ocaitons List Response	Contains a list of locations	Locations Database	3.2.1 Locations Retrieval	LOCATIONS
Journal Elot (Copolise	Contains a not of foodtions	3.2.1 Locations Retrieval	User Entity	LOOAHONO
ocaiton ID Sighting Doguest	Peguast for sightings at a location based on ID		3.2.1 Locations Retrieval	Location Sightings Doguest
ocaiton ID Sighting Request	Request for sightings at a location based on ID	User Entity		Location Sightings Request
		3.2.1 Locations Retrieval	3.2.2 Sighting Retrieval	
		3.2.2 Sighting Retrieval	Refined Sighting Database	
ocation sighting Response	List of refined sightings for the location	Refined Sighting Database	3.2.2 Sighting Retrieval	REFINED SIGHTINGS
		3.2.2 Sighting Retrieval	3.2.1 Locations Retrieval	
		3.2.1 Locations Retrieval	User Entity	
ROCESS 3.3				
equest User Information	Request for data about the current user	User Entity	3.3.1 User Information Retrieval	User Info. Request
		3.3.1 User Information Retrieval	Users Information Database	
	Contains user's information	Users Information Database	3.3.1 User Information Retrieval	USER INFORMATION
ser Information Response		3.3.1 User Information Retrieval	User Entity	
ser Information Response	The state of the s	User Entity	3.3.1 User Information Retrieval	User's Sightings Request
·	Request for sightings submitted by a user			Joor o Orginarigo Moquota
·	Request for sightings submitted by a user		3 3 2 Sighting Retrieval	
·	Request for sightings submitted by a user	3.3.1 User Information Retrieval	3.3.2 Sighting Retrieval	
ser ID Sighting Request		3.3.1 User Information Retrieval 3.3.2 Sighting Retrieval	Raw Sighting Database	DAW CICLITINGS
ser ID Sighting Request	Request for sightings submitted by a user  List of sightings submitted by the user	3.3.1 User Information Retrieval 3.3.2 Sighting Retrieval Raw Sighting Database	Raw Sighting Database 3.3.2 Sighting Retrieval	RAW SIGHTINGS
ser Information Response Ser ID Sighting Request Ser sightings Response		3.3.1 User Information Retrieval 3.3.2 Sighting Retrieval Raw Sighting Database 3.3.2 Sighting Retrieval	Raw Sighting Database 3.3.2 Sighting Retrieval 3.3.1 User Information Retrieval	RAW SIGHTINGS
ser ID Sighting Request		3.3.1 User Information Retrieval 3.3.2 Sighting Retrieval Raw Sighting Database	Raw Sighting Database 3.3.2 Sighting Retrieval	RAW SIGHTINGS

		Processes For WildSight		
S No.	Process Name	Description	Inbound Data Flows	Outbound Data Flows
	User Information Process	Handling any operation related to user information which includes registration, login,logout or retrieve user information or update user information comes under this process.	User credentilas Information, User Information Request, Updated user information	Authentication response, User Information Response, Updated user information response
	Sighting Input Process	operations related to taking input new sighting input from user and sending it for ratification to other users and in extreme scanerios to expert and then adding ratified sighting to database.	New Sighting Input, Confirmation/Denial from user, Confirmation/Denial from expert	Confirmation/Denial response to sighting owner, User Ratification request, Expert Ratification request
	Sighting Retrieval Process	This process handles operations which are required for retirieving data related to sightings. The data may be retrieved on the basis of location, species or the sightings that the user has submitted	Location Sighting Request, Species Sighting Request, User Sighting Request	Sighting Requests, Sighting Responses