

CSC584 ENTERPRISE

WildLife Conservation Web

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Introduction to Wildlife



of protecting animal species and their habitats to maintain biodiversity and



Threats: Deforestation, urbanization, poaching, climate change.



Conservation efforts help mitigate biodiversity loss and promote sustainable



Importance of Wildlife

- **Environmental Impact:** Maintains eco system stability.
- **Economic Benefits:** Supports tourism and local economies.
- **Cultural & Scientific Significance:** Preserves heritage and contributes to medical & agricultural advancements.



Conservation Efforts Worldwide

- Protected Areas & Wildlife Corridors:
Establishing national parks and reserves.
- Anti-Poaching Laws & Regulations:
Strengthening legal frameworks.
- Eco system Restoration:
Reintroducing species & rehabilitating habitats.
- **Global Cooperation:**
Collaboration between organizations, governments, and communities.



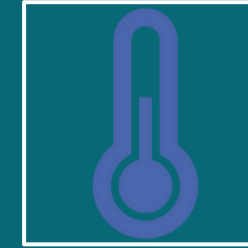
Challenges in Conservation



Habitat Destruction:
Due to human activities.



Illegal Wildlife Trade:
Poaching and trafficking.



Climate Change:
Affecting species adaptability.

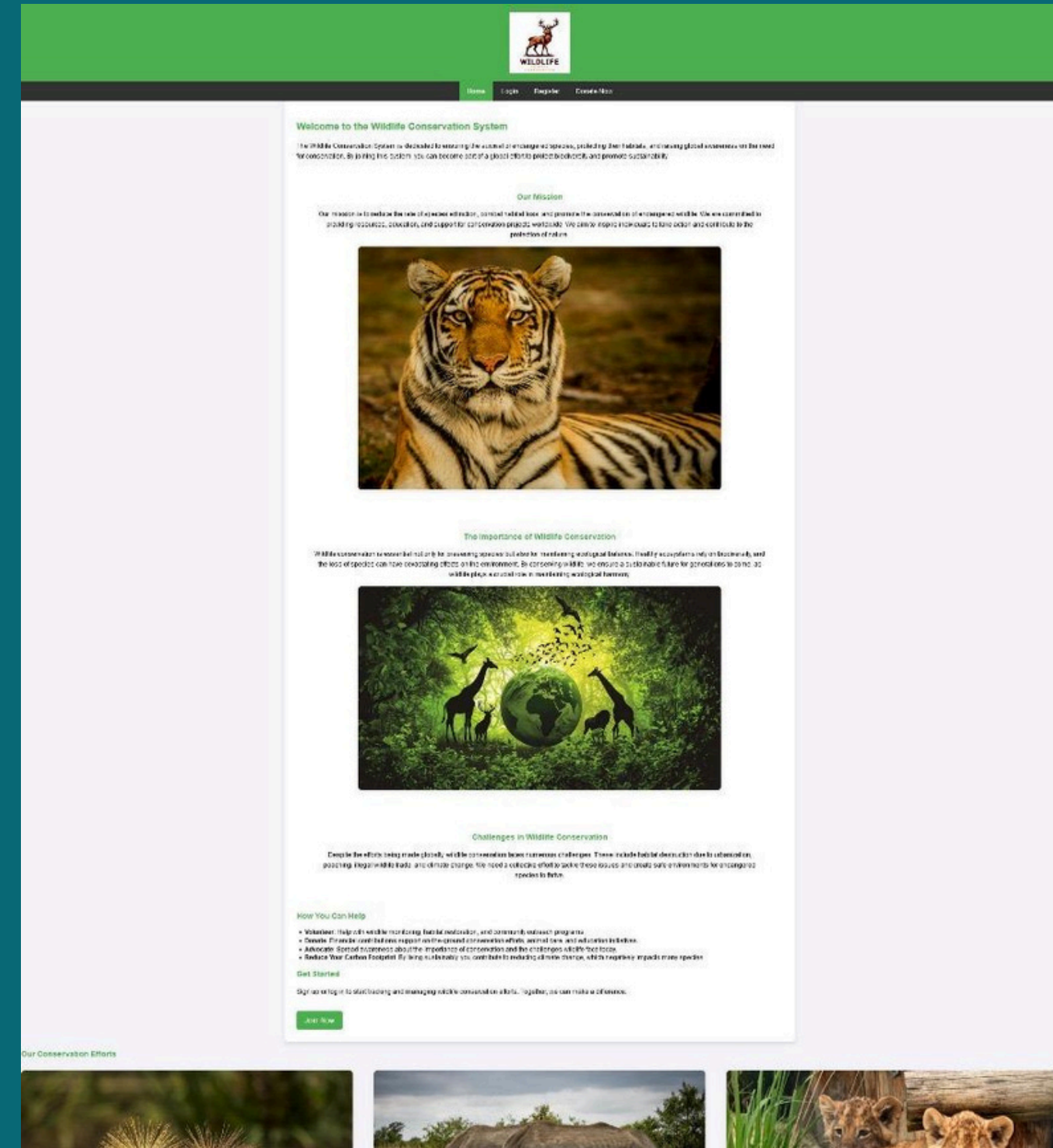


Limited Resources & Funding: Conservation programs often lack financial support.



Our Project - Wildlife Conservation System

- **Objective:** Develop a digital platform for wildlife monitoring & protection.
- **Technology Stack:**
 - **Front-end:** HTML for an intuitive user interface.
 - **Back-end:** Java for efficient data processing.
 - **Database:** Database management and interaction to system using XAMPP and NetBeans. To stores species population, habitat conditions, and reported threats.

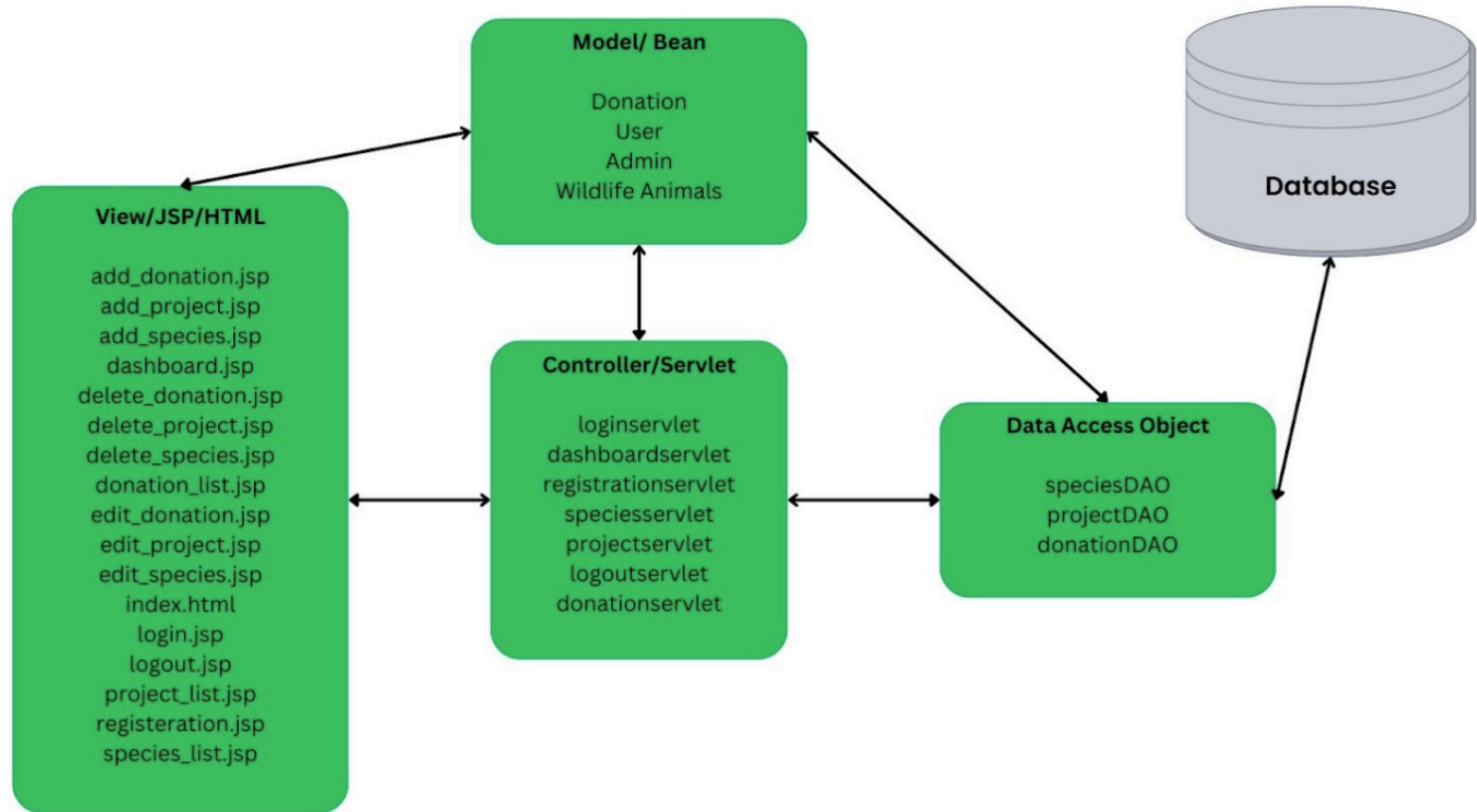


Features of the Wildlife Conservation System

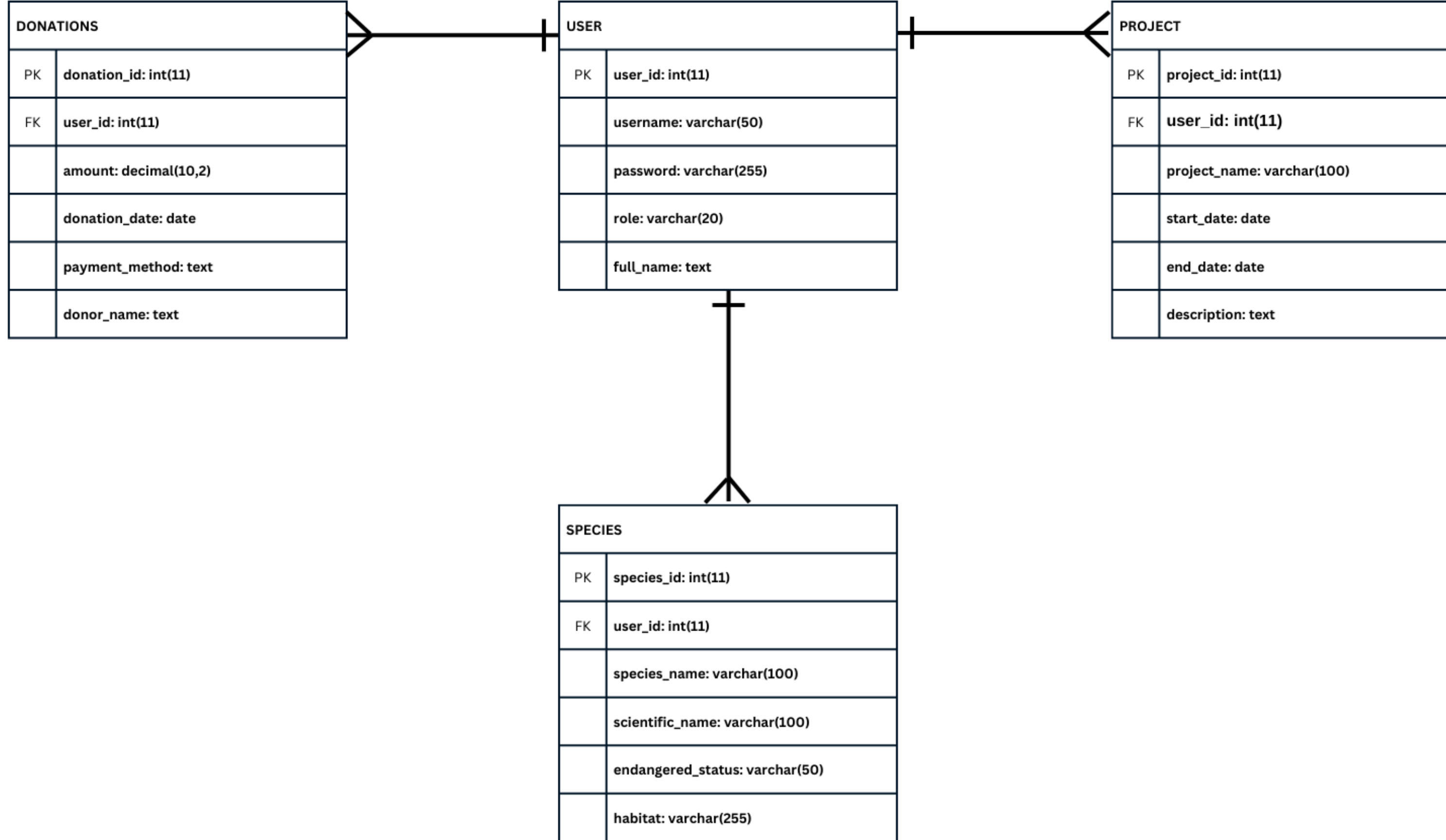
- Real-Time Species Tracking: Live updates on endangered species.
- Data Management: Secure conservation data storage.
- Communication Platform: Facilitates interaction among researchers, conservationists, and authorities.
- Threat Reporting Mechanism: Enables quick response to illegal activities.



SYSTEM ARCHITECTURE (Model View Controller)



DATABASES



USERS

Server: 127.0.0.1 > Database: wildlife_conservation > Table: users

BrowseStructureSQLSearchInsertExportImportPrivilegesOperationsTriggers

Table structureRelation view

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	user_id	int(11)			No	None			Change Drop More
<input type="checkbox"/>	2	username	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	password	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	role	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	full_name	text	utf8mb4_general_ci		Yes	NULL			Change Drop More

☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

PROJECTS

Server: 127.0.0.1 > Database: wildlife_conservation > Table: projects

BrowseStructureSQLSearchInsertExportImportPrivilegesOperationsTriggers

Table structureRelation view

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<input type="checkbox"/>	3	start_date	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	4	end_date	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	5	description	text	utf8mb4_general_ci		Yes	NULL			Change Drop More

DONATIONS

Server: 127.0.0.1 » Database: wildlife_conservation » Table: donations

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Triggers

Table structure

Relation view

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<input type="checkbox"/>	4	payment_method	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	5	donor_name	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	6	user_id	int(11)			No	None			Change Drop More

SPECIES

Server: 127.0.0.1 » Database: wildlife_conservation » Table: species

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Triggers

Table structure

Relation view

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<input type="checkbox"/>	3	scientific_name	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4	endangered_status	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	5	habitat	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Demo of the Wildlife Conservation System



Conclusion

- **Summary:** Importance of conservation, challenges, and how our system addresses them.
- **Call to Action:** Encouraging technological innovation in wildlife conservation.
- **Future Scope:** Expanding the system with AI-driven analysis and IoT
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