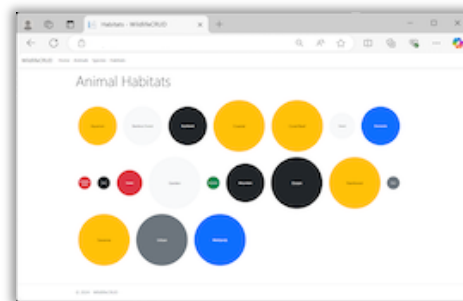
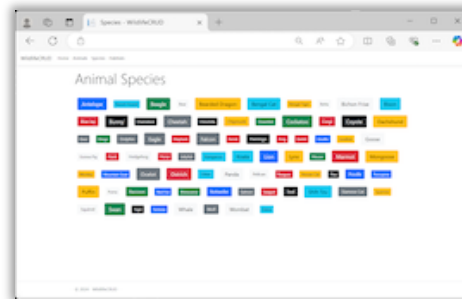
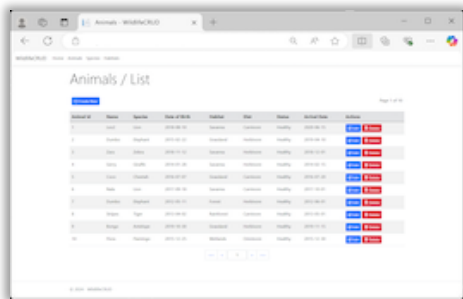


CRUD Demo Project



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INTRODUCTION

This project is a simple task management application developed to meet the following requirements: to enable users to create, read, update, and delete tasks efficiently. The application features a user-friendly frontend interface that ensures an intuitive user experience while providing a robust backend for seamless data storage and management. By focusing on simplicity and usability, this application aims to enhance productivity and organization for users managing their tasks.

PROJECT OVERVIEW

This task management application consists of four main pages, each designed to enhance user interaction and provide essential functionalities. Below is a brief description of each page:

To get started right away, just tap any placeholder text (such as this) and start typing.

1. HOME PAGE

The **Home** page serves as the introduction to the application. It provides an overview of the project's purpose, features, and instructions on how to navigate through the application. Users are welcomed with a clear and concise layout that sets the tone for their experience.

2. ANIMALS PAGE

The **Animals** page displays a comprehensive list of animals. Users can perform CRUD (Create, Read, Update, Delete) actions on the animal records. This functionality allows users to manage the animal data effectively, ensuring that the information is up-to-date and relevant. The user-friendly interface makes it easy to navigate through the list and access the desired actions.

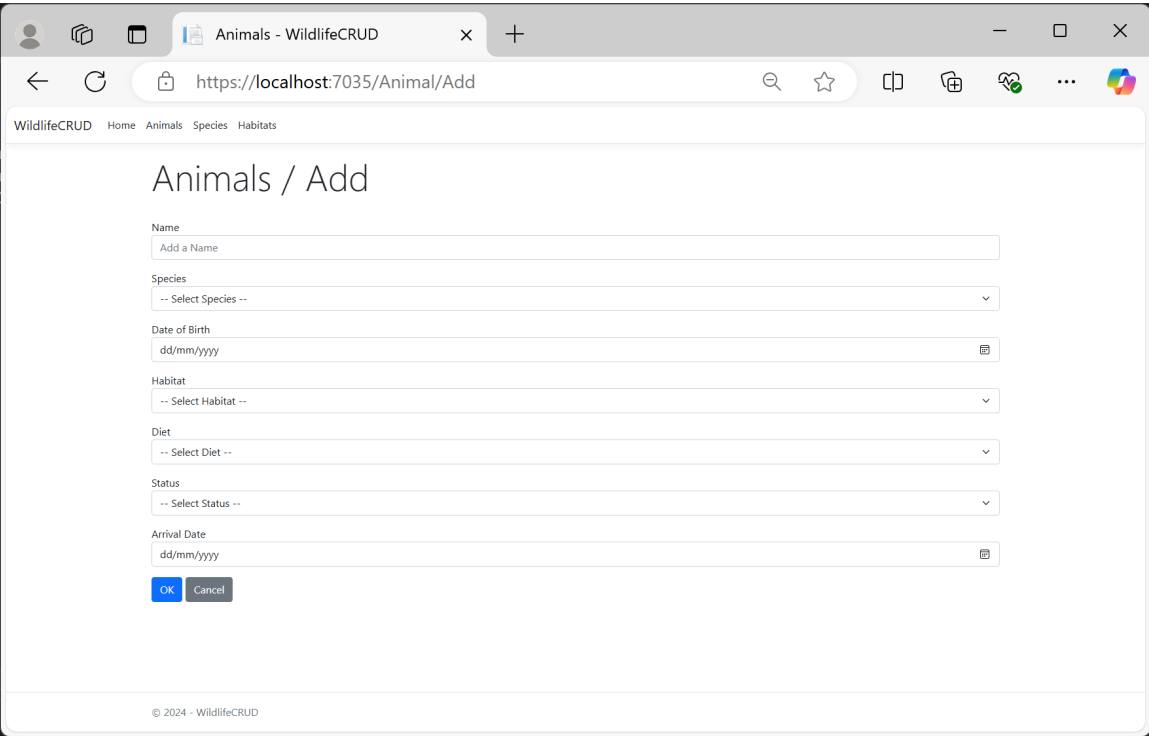
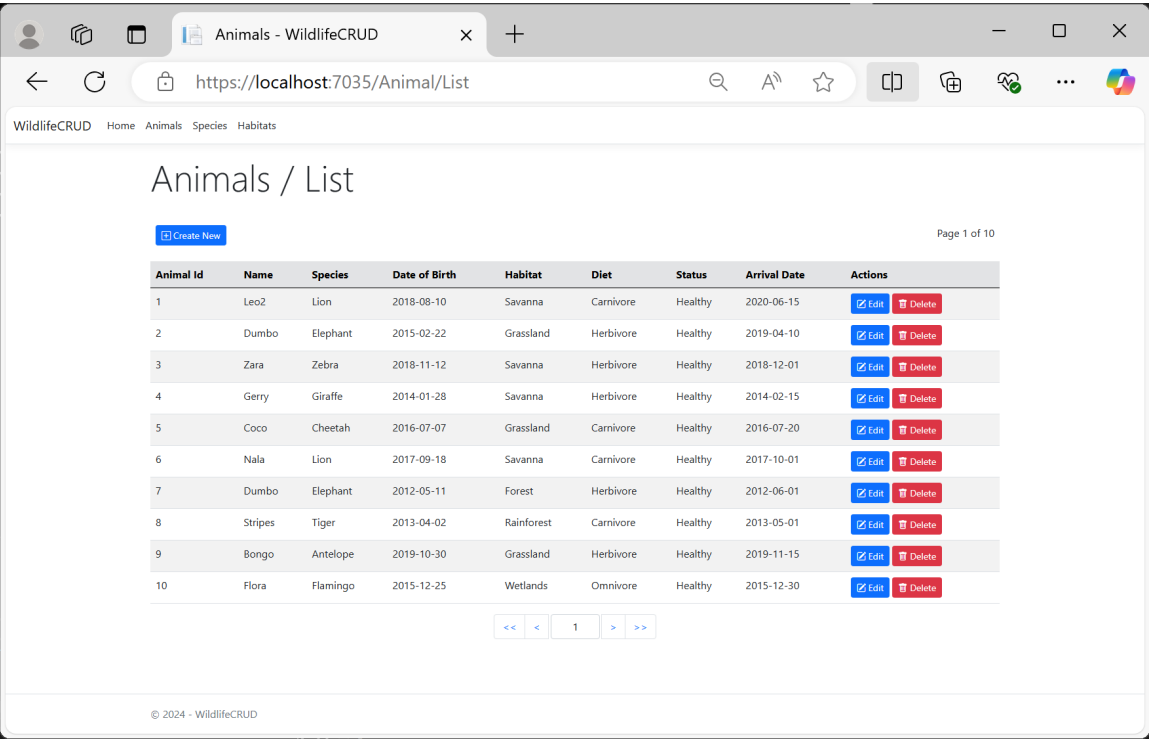
3. ANIMAL SPECIES PAGE

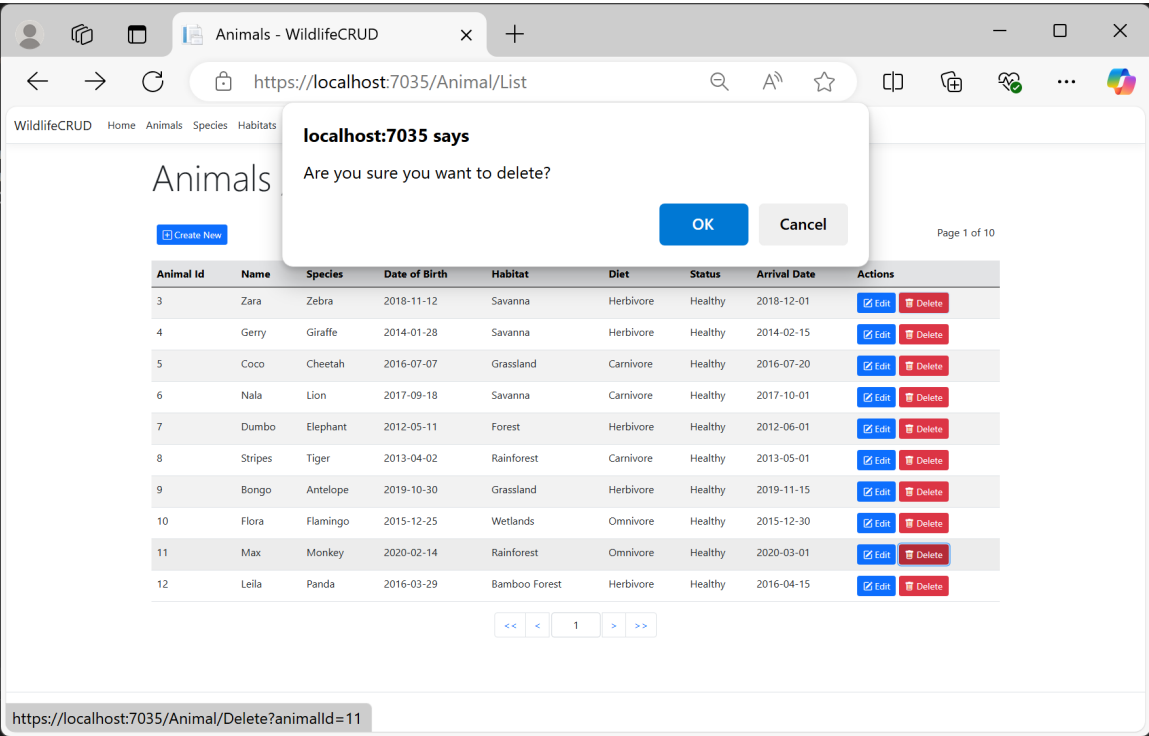
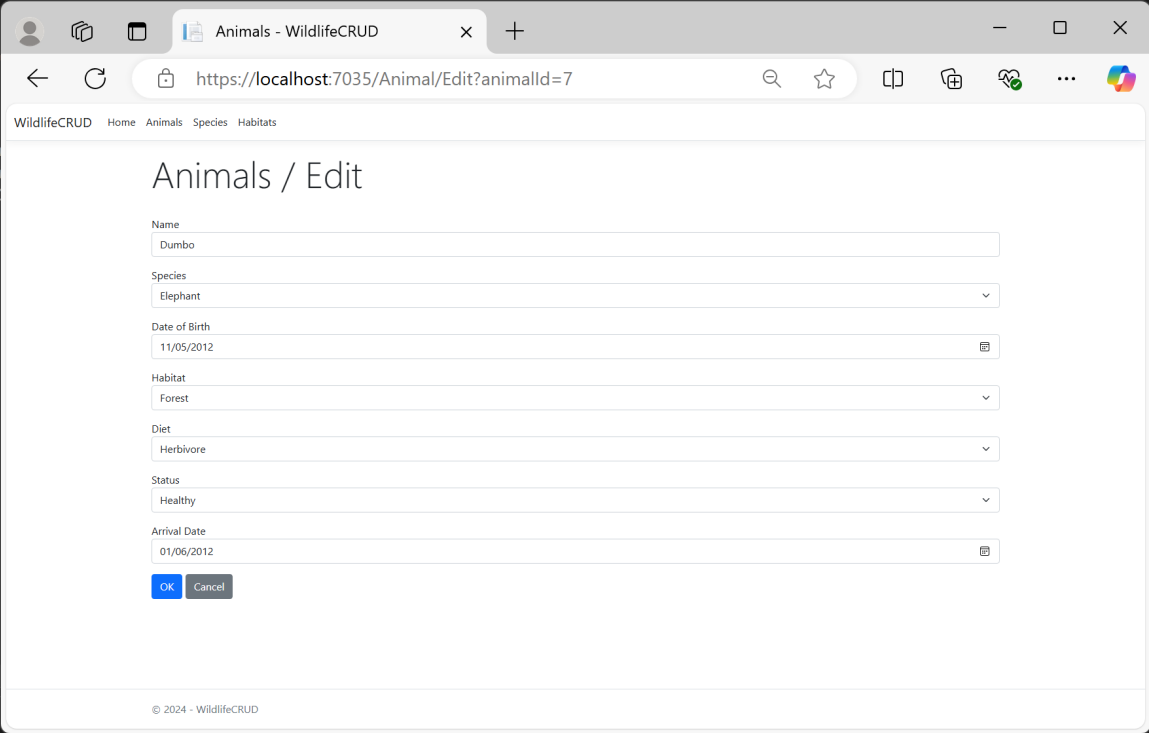
The **Animal Species** page presents a list of various animal species. When a user clicks on a specific species, detailed information about that species is displayed. This page aims to educate users about different species and their characteristics, enhancing their understanding of wildlife.

4. ANIMAL HABITAT PAGE

The Animal Habitat page showcases a list of different animal habitats. Similar to the Animal Species page, clicking on a specific habitat reveals detailed information. This functionality helps users learn about the environments in which various animals live and their ecological significance.

CRUD PAGES





BROWSER

COMPATIBILITY TESTING

To ensure a consistent and reliable user experience, the application was tested across multiple browsers, including:

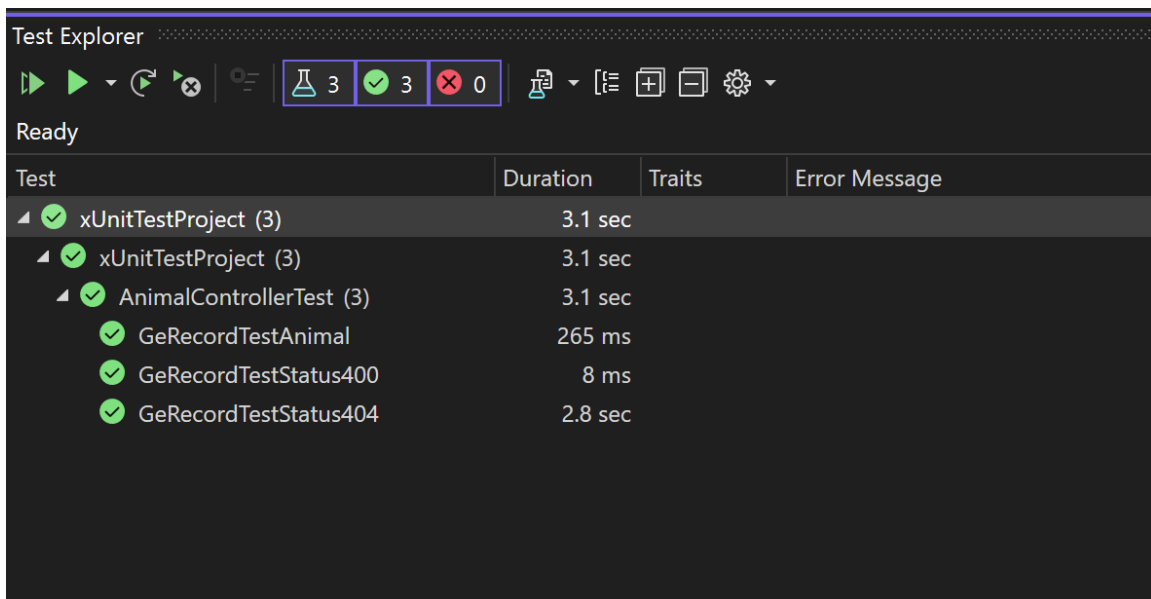
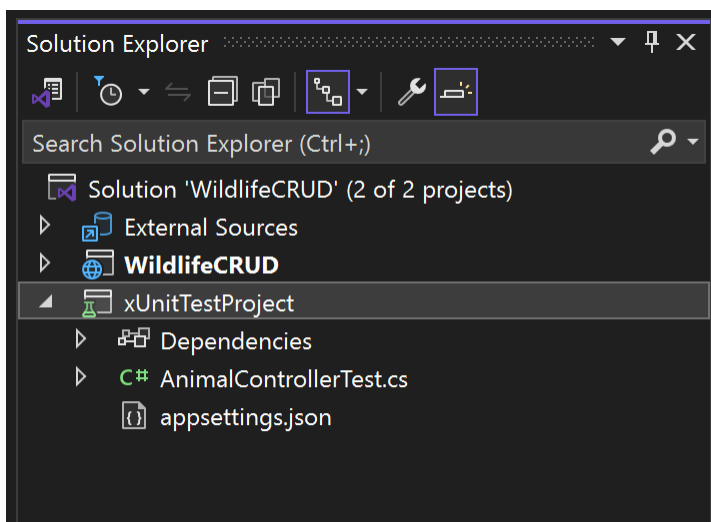
- *Microsoft Edge*
- *Google Chrome*
- *Mozilla Firefox*

The application performed smoothly on all platforms, confirming its compatibility and responsiveness across different environments.

UNIT TESTING

ON APP CONTROLLER

A sample unit test was created for the [AnimalController] to validate core functionalities, such as handling CRUD operations effectively. The test case executed without any issues, with all assertions passing successfully, confirming the reliability of the controller logic.



DATABASE

AND TABLES

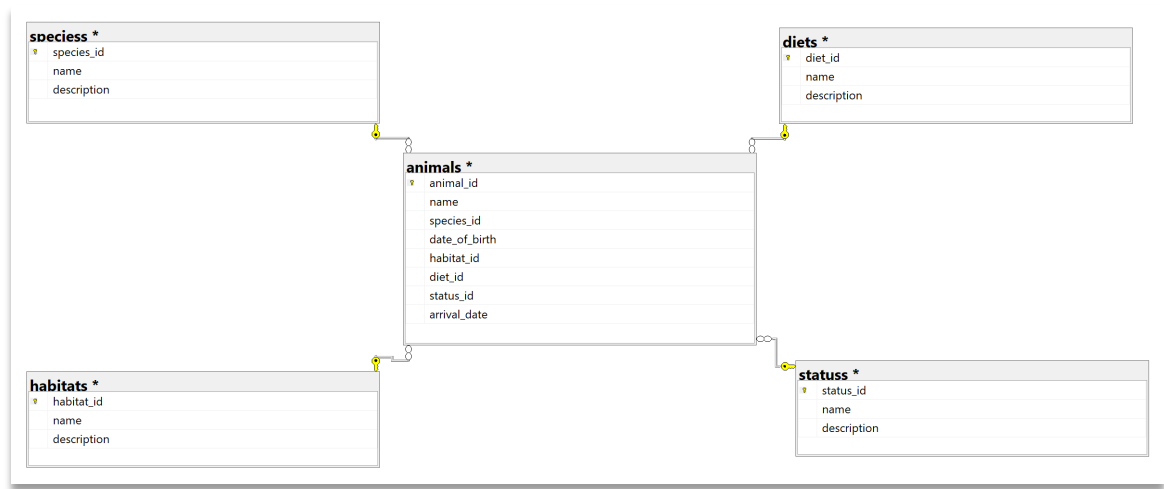


TABLE / ANIMALS

	TYPE	KEY	REMARKS
Animal Id	Integer	PK	
Name	String		
Species Id	Integer	FK	TABLE / SPECIESS
Date of Birth	Date		
Habitat Id	Integer	FK	TABLE / HABITATS

	TYPE	KEY	REMARKS
Diet Id	Integer	FK	TABLE / DIETS
Status Id	Integer	FK	TABLE / STATUSS
Arrival Date	Date		

TABLE / SPECIESS

	TYPE	KEY	REMARKS
Species Id	Integer	PK	
Name	String		
Description	String		

TABLE / HABITATS

	TYPE	KEY	REMARKS
Habitat Id	Integer	PK	
Name	String		

	TYPE	KEY	REMARKS
Description	String		

TABLE / DIETS

	TYPE	KEY	REMARKS
Diet Id	Integer	PK	
Name	String		
Description	String		

TABLE / STATUSS

	TYPE	KEY	REMARKS
Status Id	Integer	PK	
Name	String		
Description	String		

DEVELOPER TOOLS

- Microsoft Visual Studio 2022 CE
- Microsoft SQL Server Express Edition 2022
- .NET Framework 8.0