



Animal-Based Therapy for Children with Disabilities

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1. Purpose

An everyday issue refers to the difficulties children with mental disorders go through. Life for children with an Autism Spectrum Disorder (ASD) or other developmental disabilities can be challenging. ASD causes developmental impairment that often leads to other issues like rigid behavior, narrow range of interests, social withdrawal, and anxiety. Children with ASD often have short attention spans and difficulties with social communication.

There are various therapies and behavioral management programs available to offer support to children living with this neurological and developmental disorder. While some therapists focus on developing communication skills of ASD patients, others stress reducing the problematic behaviors associated with autism. In addition to this, there is something else that is helping people with autism: spending time with animals like dogs and horses.

Considering the great importance of the problematic, the present thesis explores a solution in order to increase the quality of the life of the previously mentioned children and their families. The impact on the long-term is going to be highlighted, due to the site I invite you to visit. There are the necessary pieces of information that helps people understand the matter in depth. Videos are inserted for a better understanding capacity. Symbolic images are inserted.

At the same time, the user has the ability to insert the data of the child proposed to benefit from either dog-based or horse-based therapy. During a therapy session, the kid is supported by a special trainer, specialized in dog / horse training, and a psychologist. The

two persons would introduce the child with either ASD or Down syndrome in the reign of animals, where a communication bridge is being consolidated.

2. Obtained Results

An authentication page is created. The user can choose between logging up and signing up.

HorseLand

Authenticate

Name:

Surname:

Password:

Log In

Sign Up



Activate Windows
Go to Settings to activate Windows.

After submitting the data, the user is redirected to the main page:

Menu

- Why Animal-Based Therapy?
- Insert a Child
- Update Data of the Child
- Delete Data of the Child
- Visualize Children Data
- Log Out



The information to be displayed goes here.



Horse and Dog

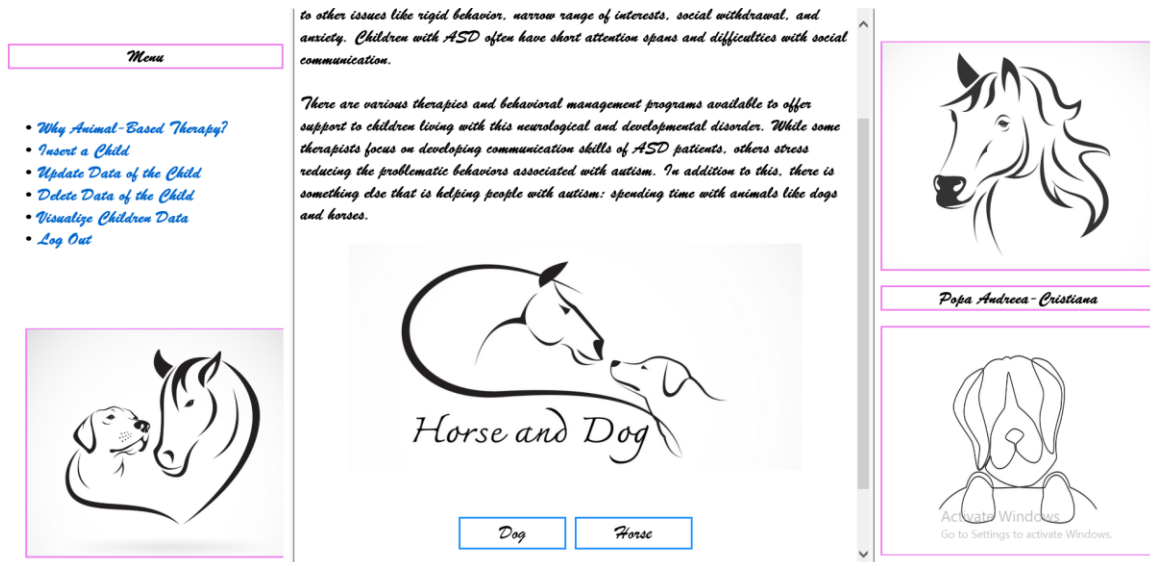


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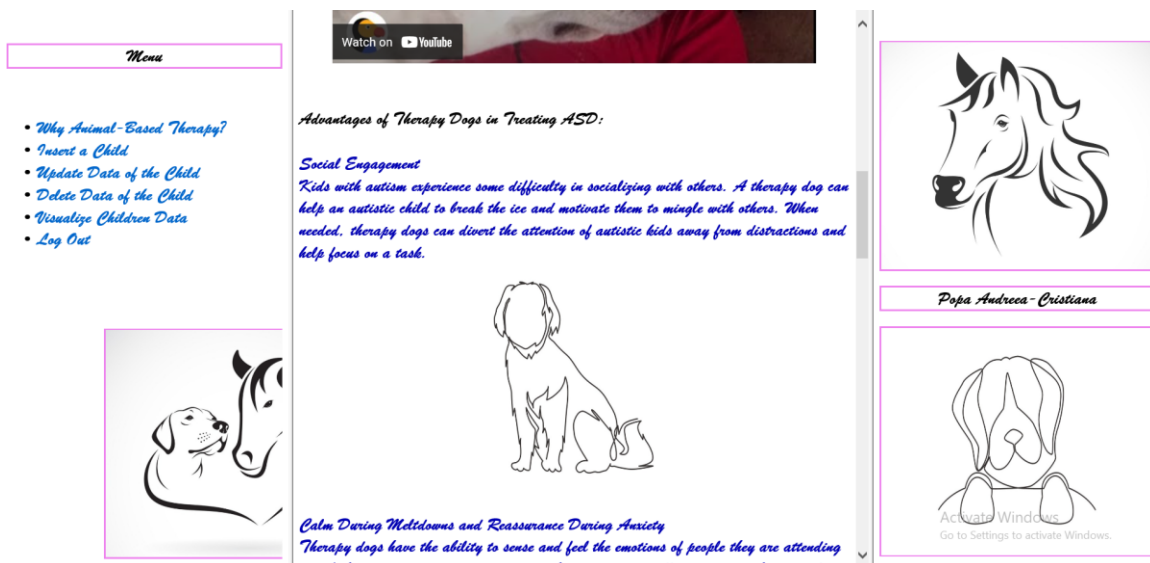


Activate Windows
Go to Settings to activate Windows.

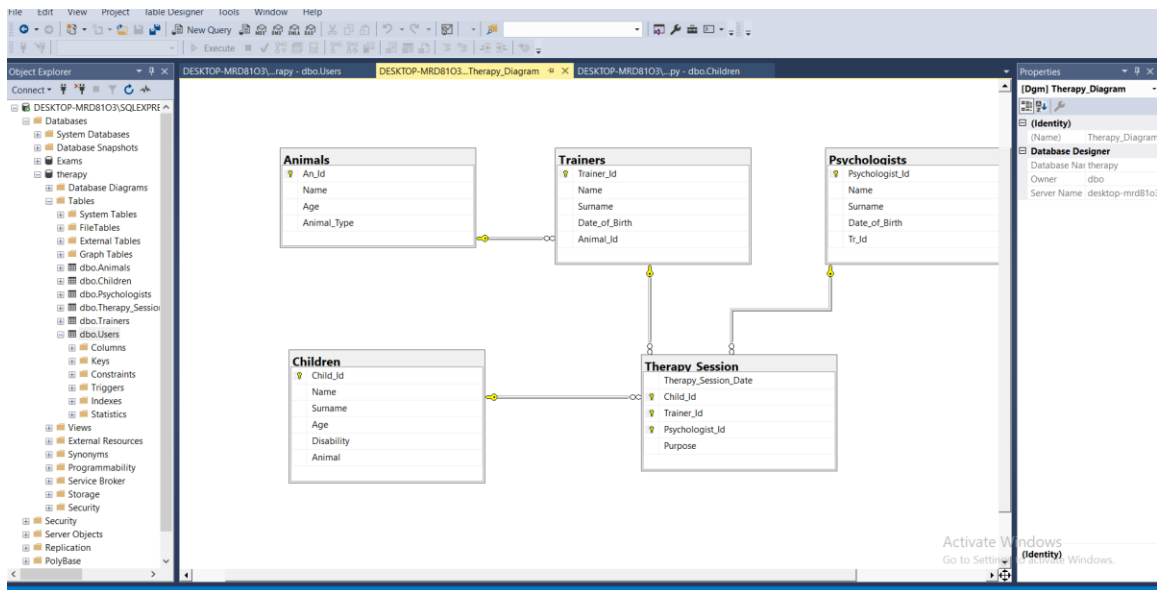
By pressing “Why Animal-Based Therapy?”, the user is brought up to date with Autism Spectrum Disorder-based problematic. In the bottom of the page are two buttons.



There are two buttons (created using *hover*) in the bottom of the page. The first one attracts attention on the dog-based therapy type. The second one reflects upon the bond between humans and horses.



Whether we were to create a reference to the backend part, I start by displaying the diagram used in order to create the data-basis, using Microsoft SQL Server Management Studio:



I populated the tables.

Therapy_Se...	Child_Id	Trainer_Id	Psychologi...	Purpose
2021-07-03	1	1	1	Social Engagement
2021-07-04	2	2	2	Emotional and Cogniti...
2021-07-05	3	3	3	Sensory Support
2021-07-06	4	1	2	Improved Vocal Skills
2021-07-06	5	2	3	Companionship
* NULL	NULL	NULL	NULL	NULL

Psychologi...	Name	Surname	Date_of_Bir...	Tr_Id
1	Hanako	Koyanagi	1992-12-13	1
2	Taro	Kabakura	1991-06-25	2
3	Hirota	Nifuji	1995-08-08	3
* NULL	NULL	NULL	NULL	NULL

Trainer_Id	Name	Surname	Date_of_Bir...	Animal_Id
1	Shikamaru	Nara	2000-01-02	1
2	Neji	Hyuga	1999-03-03	2
3	Hatake	Kakashi	1980-09-09	3
* NULL	NULL	NULL	NULL	NULL

An_Id	Name	Age	Animal_Type
1	Haru	5	Dog
2	Rin	7	Horse
3	Kyo	3	Dog
* NULL	NULL	NULL	NULL

Child_Id	Name	Surname	Age	Disability	Animal
1	Naruto	Uzumaki	15	Autism	Dog
2	Hinata	Hyuga	14	Autism	Horse
3	Sakura	Haruno	8	Down	Dog
4	Ino	Yamanaka	4	Down	Horse
5	Itachi	Uchiha	7	Autism	Dog
6	Nae	Catavencu	11	ASD	Dog
* NULL	NULL	NULL	NULL	NULL	NULL

The user is able to insert, update, delete and visualize the data of the children. He / she can also log out.

Menu

- Why Animal-Based Therapy?
- Insert a Child
- Update Data of the Child
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- Log Out



Child Name:	<input type="text"/>
Child Surname:	<input type="text"/>
Age:	<input type="text"/>
Disability :	<input checked="" type="radio"/> ASD <input type="radio"/> Down Syndrome
Animal Type:	<input type="text" value="Dog"/>

Submit



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