



**TOSHKENT SHAHRIDAGI INHA UNIVERSITETI
INHA UNIVERSITY IN TASHKENT**

TECHNIMALS

"Animal abuser is a loser"



Web-blog about innovations with/for animals

by

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Links to:

[GitHub repo](#)

Web site

<http://technimals.herokuapp.com/>

Overview

Technimals group is intended to support innovative ideas to save world of animals and contribute to the development of biotechnology and bioengineering. Its main goal is to introduce new projects to the world and attract sponsors to support them.

The authors of the blog are students who love animals and eager about innovative ideas in biotechnology. Their main task is to write articles about role of technology in animals' lives and articles about role of animals in technology. Introducing various conceptual engineering projects with/for animals is another assignment. Technimals is the best place to propose new projects, networking and share ideas.

Target audience is any person who seeks new ideas, loves engineering, and want to invest on innovative concepts.

Author privileges

Author of the blog has bunch of rights such as edition and publishing new posts/articles and emailing subscribers.

User privileges

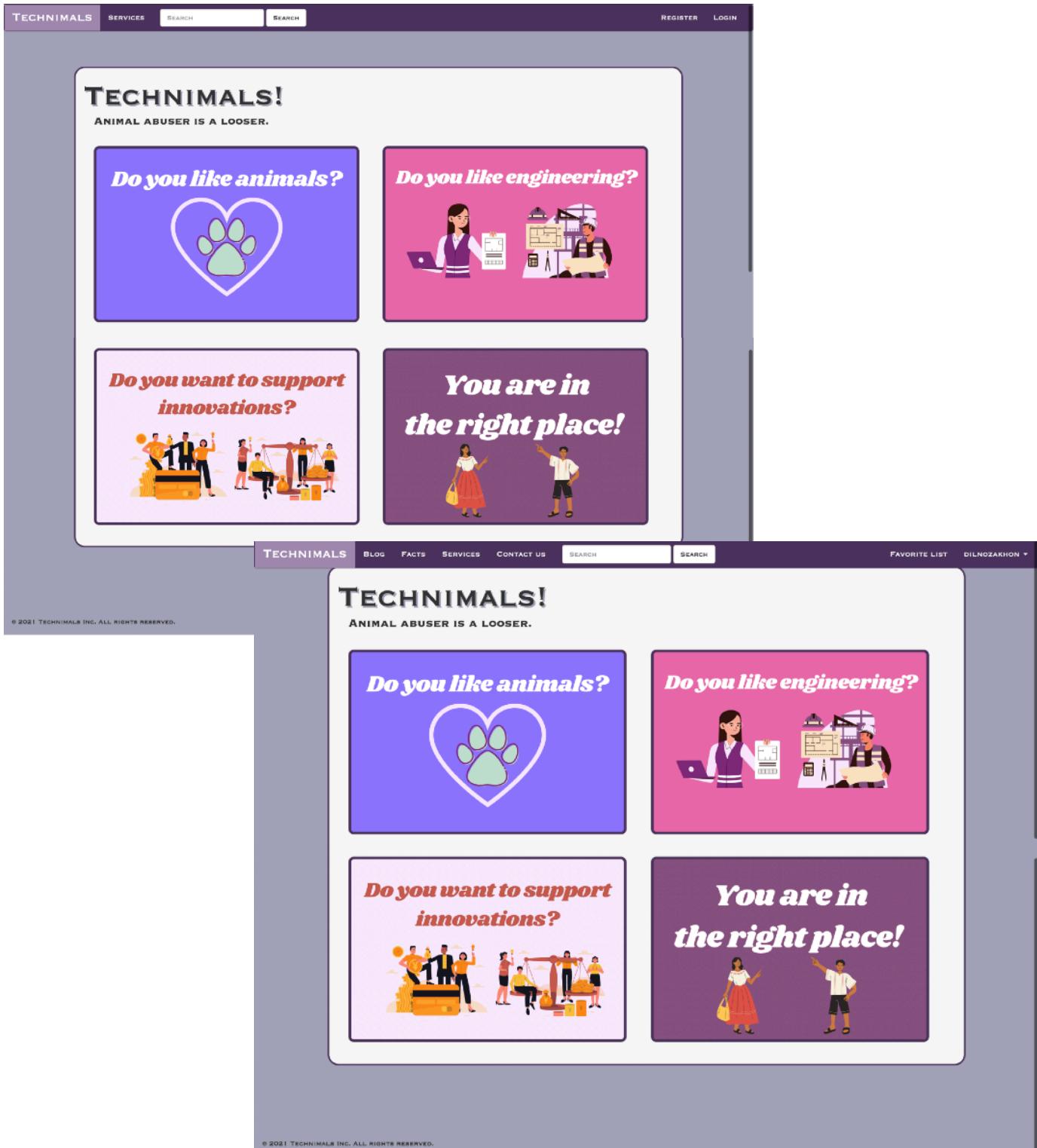
Users can subscribe, comment on posts, download particular files, and communicate with authors via email.

Features

Content

Home

Home page contains Navigation bar, where user can easily find all necessary pages. This page looks like a Welcome page to blog. (Here are screenshots: 1st view, when the user is not logged in, 2nd view, when the user is logged in) Important fact is that only the registered users can see blogs, facts and, of course, favorite list and comments.



About us

About us page is obviously the page about Technimals group.

To About us page, user can go directly from Services in Navigation bar.

The screenshot shows the Technimals website with a dark purple header. The header includes navigation links for TECHNIMALS, BLOG, FACTS, SERVICES (which is highlighted in light blue), CONTACT US, and two SEARCH fields. On the right side of the header are links for FAVORITE LIST and DILNOZAKHON. Below the header, there's a logo with the text "TECHNIMALS!" and a subtext "ANIMAL ABUSER IS A LOOSER." followed by a small graphic of a dog.

ABOUT US

WHO WE ARE

STUDENTS WHO LOVE ANIMALS AND EAGER ABOUT INNOVATIVE IDEAS IN BIOTECHNOLOGY

WHAT WE DO

WRITE ARTICLES ABOUT ROLE OF TECHNOLOGY IN ANIMALS' LIVES AND ARTICLES ABOUT ROLE OF ANIMALS IN TECHNOLOGY

INTRODUCE VARIOUS CONCEPTUAL ENGINEERING PROJECTS WITH/FOR ANIMALS

WHY WE

TECHNIMALS - THE BEST PLACE TO PROPOSE YOUR PROJECTS, NETWORKING AND SHARE YOUR IDEAS

HOW TO FIND US

JUST EMAIL US
MESENOIR@GMAIL.COM

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Mission

TECHNIMALS BLOG FACTS SERVICES CONTACT US SEARCH SEARCH FAVORITE LIST DILNOZAKHON ▾

MISSION

WE, TECHNIMALS GROUP, ARE HERE TO SUPPORT INNOVATIVE IDEAS TO SAVE WORLD OF ANIMALS AND CONTRIBUTE TO THE DEVELOPMENT OF BIOTECHNOLOGY AND BIOENGINEERING.



OUR MAIN GOAL IS TO INTRODUCE NEW PROJECTS TO THE WORLD AND ATTRACT SPONSORS TO SUPPORT THEM.



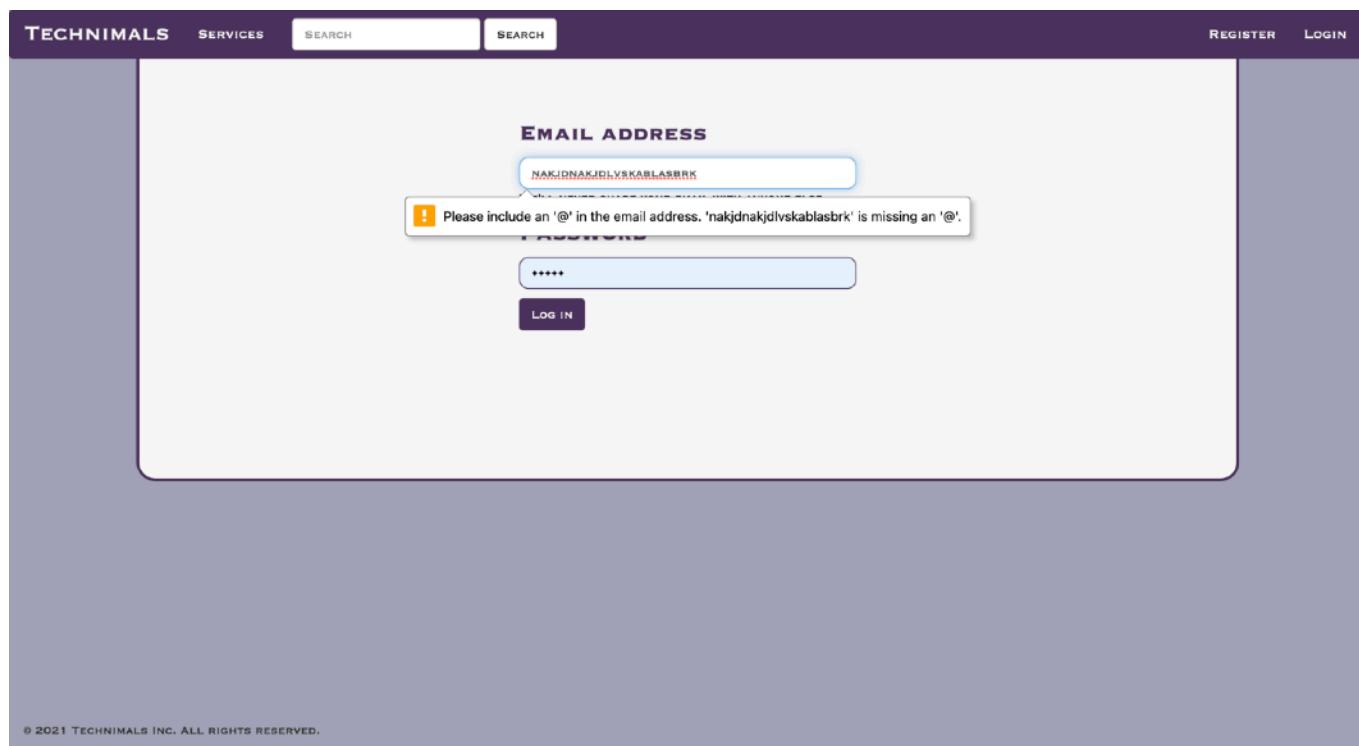
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Registration and Sign in

In order to access blog, users should register or sign in to their accounts. After registration, they will be redirected to login page. It is a part of our security system.

The screenshot shows the registration page of a website. At the top, there is a dark purple header bar with the word "TECHNIMALS" and a "SERVICES" dropdown menu. Below the header, there are two search bars labeled "SEARCH". On the right side of the header, there are "REGISTER" and "LOGIN" buttons. The main content area is white and contains three input fields: "USER NAME" with the value "DILNOZAKHON", "EMAIL ADDRESS" with the value "1910042.DILNOZAKHON.MIRSAIDOVA@GMAIL.COM", and "PASSWORD" with the value "++++". Below the password field is a "REGISTER" button. At the bottom left of the page, there is a small footer bar with the text "© 2021 TECHNIMALS INC. ALL RIGHTS RESERVED." and the URL "127.0.0.1:8000/register".

The screenshot shows the login page of the same website. The layout is identical to the registration page, with a dark purple header, search bars, and "REGISTER" and "LOGIN" buttons. The main content area is white and contains two input fields: "EMAIL ADDRESS" with the value "1910042.dilnozakhon.mirsaidova@gmail.com" and "PASSWORD" with the value ".....". Below the password field is a "LOG IN" button. At the bottom left of the page, there is a small footer bar with the text "© 2021 TECHNIMALS INC. ALL RIGHTS RESERVED." and the URL "127.0.0.1:8000/login".



Users are able to switch to another account or register one more.

Moderator rights has one or several users who can add posts.

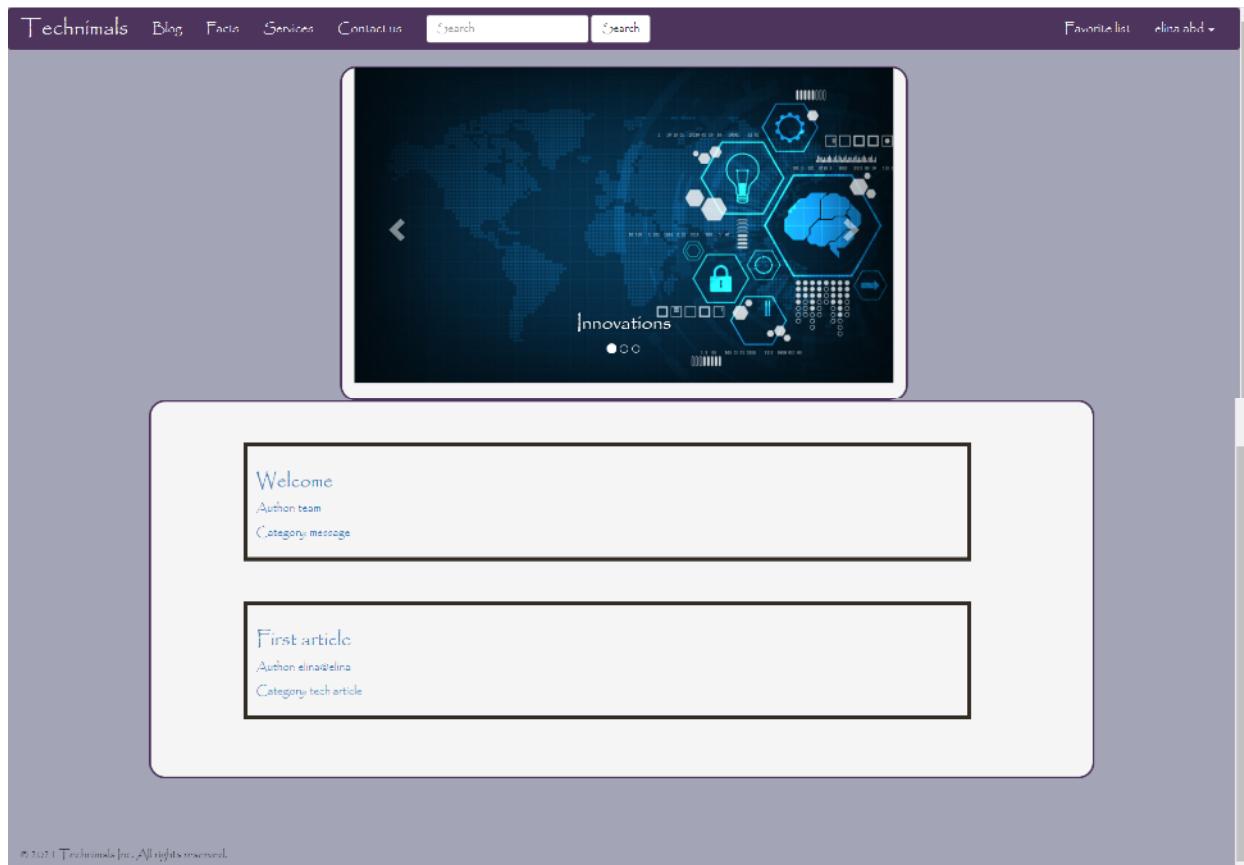
The screenshot shows the homepage of 'TECHNIMALS'. The top navigation bar includes links for 'TECHNIMALS', 'BLOG', 'FACTS', 'SERVICES', 'CONTACT US', and two search bars. On the right, there are 'FAVORITE LIST', 'Logout', and a link to 'https://technimals.com/logout'. The main content area features four large, colorful boxes:

- Do you like animals?** (Purple background) - Features a green paw print inside a white heart outline.
- Do you like engineering?** (Pink background) - Features illustrations of a female engineer with a laptop and a male architect with blueprints.
- Do you want to support innovations?** (Light pink background)
- You are in the right place!** (Dark purple background)

At the bottom left, there is a small footer note: '© 2021 TECHNIMALS INC. ALL RIGHTS RESERVED 127.0.0.1:8000/logout'.

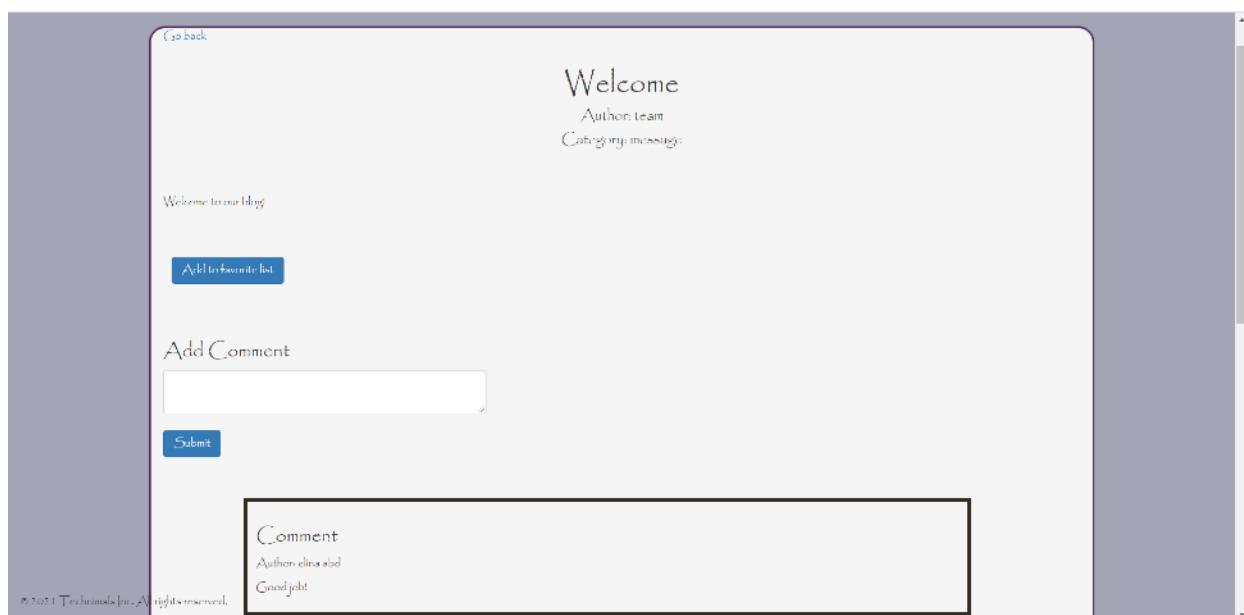
Blog

This page shows all articles that have been posted by moderator. Users can see their titles, authors and category.



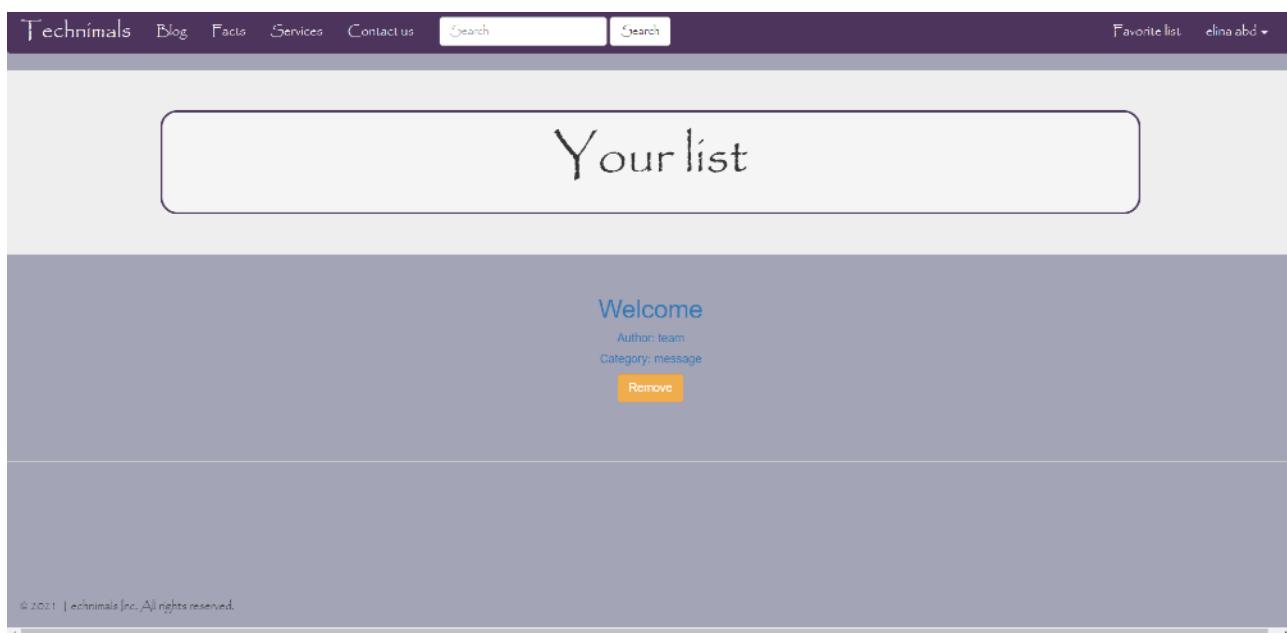
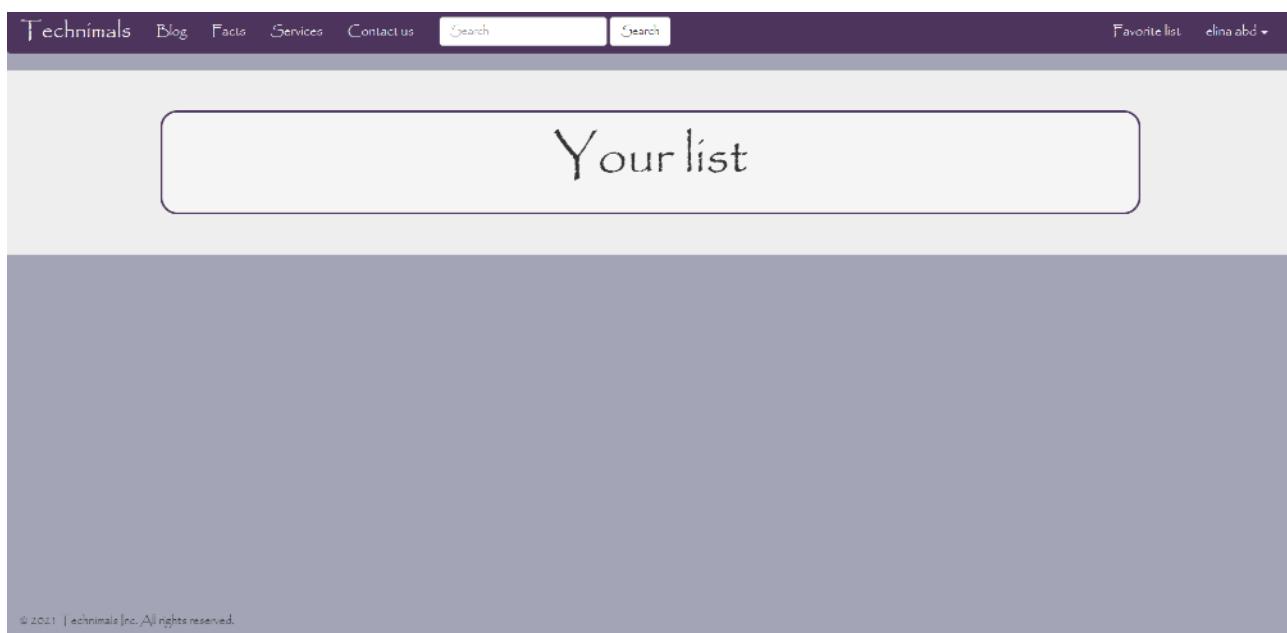
If user will go to one of the articles he/she will be on detail page.

There user have a possibility to add article to favorite list or comment it or see other comments.



In details page user can go the to blog page by clicking "Go back".

Users can add to the Favourite list any article they like. Then read them at any time they want.



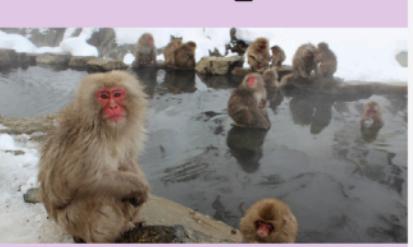
Facts

The Technimals blog also has random facts about animals.

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FACTS

SEE PROJECT 1 SEE PROJECT 2 SEE PROJECT 3

<h3>Chickens</h3>  <p>Before chicks hatch, they can communicate with each other and their mother through a system of sounds.</p> <p>© 2021 TECHNIMALS INC. ALL RIGHTS RESERVED. 127.0.0.1:8000/project1</p>	<h3>Lady Bugs</h3>  <p>Their Name Is Legendary Legend has it that the "lady" in lady beetle dates back to the Middle Ages. The story is that farmers crops were being damaged by swarms of aphids. But after the farmers prayed to the Virgin Mary for help, the ladybugs arrived, ate all the aphids, and saved the day. The farmers were so grateful that from then on they referred to the insects as "Our Lady's beetles."</p>
<h3>Horned Lizard</h3>  <p>The horned lizard is able to shoot blood from its own eyes, up to a distance of 3 feet away. The rather bizarre and disgusting act is a defensive mechanism to confuse predators.</p>	<h3>Macaques</h3>  <p>Japanese Macaques make snowballs for fun. They are excellent swimmers. Snow monkeys have been reported to swim up to half a kilometer.</p>
<h3>Ostrich</h3>  <p>Ostrich has the biggest eyes in the whole animal world. And Ostrich's eye is bigger than its brain</p>	<h3>Panda</h3>  <p>The Scientific Name of Panda is Ailuropoda melanoleuca. Its meaning is "black and white cat footed animal"</p>

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Projects

Also users can see about the beautiful projects connected to animals life and modern technologies.

The image shows a presentation slide titled "ANTIACCIDENT FOR ANIMALS". The slide includes a photograph of a brown cow and a smaller image of a horse's head. Below these images is the text "LOOK AT THE CONCEPT 3D ANIMATION :)" followed by a video player showing a 3D animation of a horse wearing a green wristband. The presentation has a dark background and includes navigation controls at the top.

A TABLE-BASED CHAIN-REACTION MECHANISM TO MOVE A CHICKEN EGG FROM A TO B

CURRENT CONCEPTUAL DESIGN AND PROTOTYPE AIM TO MOVE A CHICKEN EGG FROM THE POINT A, WHICH IS ON THE TABLE, TO THE POINT B, WHICH IS ON THE GROUND, USING MECHANISM WITH CHAIN-REACTION.

THE MAIN GOAL OF THIS PROTOTYPE IS TO DESIGN SUCH A MECHANISM AND BOX THAT CHICKEN EGG WILL BE MOVED WITHOUT ANY LEAK AND CRACK AFTER FALLING TO THE FLOOR AT POINT B.

Team9_DesignRep 4 / 19 | - 100% + | ☰ :

Introduction

Current conceptual design and prototype aim to move a chicken egg from the point A, which is on the table, to the point B, which is on the ground, using mechanism with chain-reaction.

The main goal of this prototype is to design such a mechanism and box that chicken egg will be moved without any leak and crack after falling to the floor at point B.

There are some requirements should be considered in Project:

Box

Designed box had to have a minimal size to contain an egg. Also it should have an appropriate opening to insert and remove egg, it means that BOX can NOT be a fixed wrapping containing egg.

Mechanism

Mechanism must be positioned anywhere on a standard kitchen table. The height from floor of T shall be in range 72-76 cm. Mechanism can contain any

IMPLEMENTATION OF CONCEPT :)

TECHNIMALS BLOG FACTS SERVICES CONTACT US SEARCH SEARCH FAVORITE LIST DILNOZAKHON ▾

FACTS

SEE PROJECT 1 SEE PROJECT 2 SEE PROJECT 3

TECHNIMALS BLOG FACTS SERVICES CONTACT US SEARCH SEARCH FAVORITE LIST DILNOZAKHON ▾

MR. BUG

THERE ARE A LOT GLOBAL AND LOCAL PROBLEMS WHICH NEED TO BE SOLVED. IN OUR CURRENT PROJECT, WE WANT TO FOCUS ON TWO BIG ISSUES NAMELY CRIME AND HEALTHCARE. WE HAVE TO CONSIDER ROAD TRAFFIC OFFENSE AS A CRIME. SO HOW CAN WE SOLVE THOSE PROBLEMS?

OUR CONCEPT ROBOT MR. BUG IS ANSWER. EVEN THE TERM "BUG" IN PROGRAMMING MEANS SOMETHING CAUSING PROBLEM, OUR ROBOT MR. BUG IS INTENDED TO SOLVE PROBLEMS.

3D MODEL OF CONCEPT

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Annotation_MrBug 1 / 1 - 100% + ↻ ↻

and artificial intelligence will compare it with different violations. Moreover, it calls police, ambulance or fire station if something is wrong. It will need WiFi connection. Corp is made of solar panel, propeller and legs are made of carbon. In conclusion, our group managed to find a solution to two issues in the traffic roads by introducing concept of android "Mr. Bug". Even though there are some potential problems that our concept might face while using, it has many advantages on its architecture. In the future we believe that Mr. Bug can be used widely in big cities.

Issue to be addressed	Healthcare and Crime (in traffic)
Robot name	Mr. Bug
Main functions	<ol style="list-style-type: none"> Trace (observe surrounding) Record (record and take pictures) Report (send emergency messages and make emergency calls)
Advantages	<ol style="list-style-type: none"> Prevents traffic accidents (reports traffic offenses to police stations) Makes immediate emergency calls (calls the nearest hospital with exact location) Flexible size

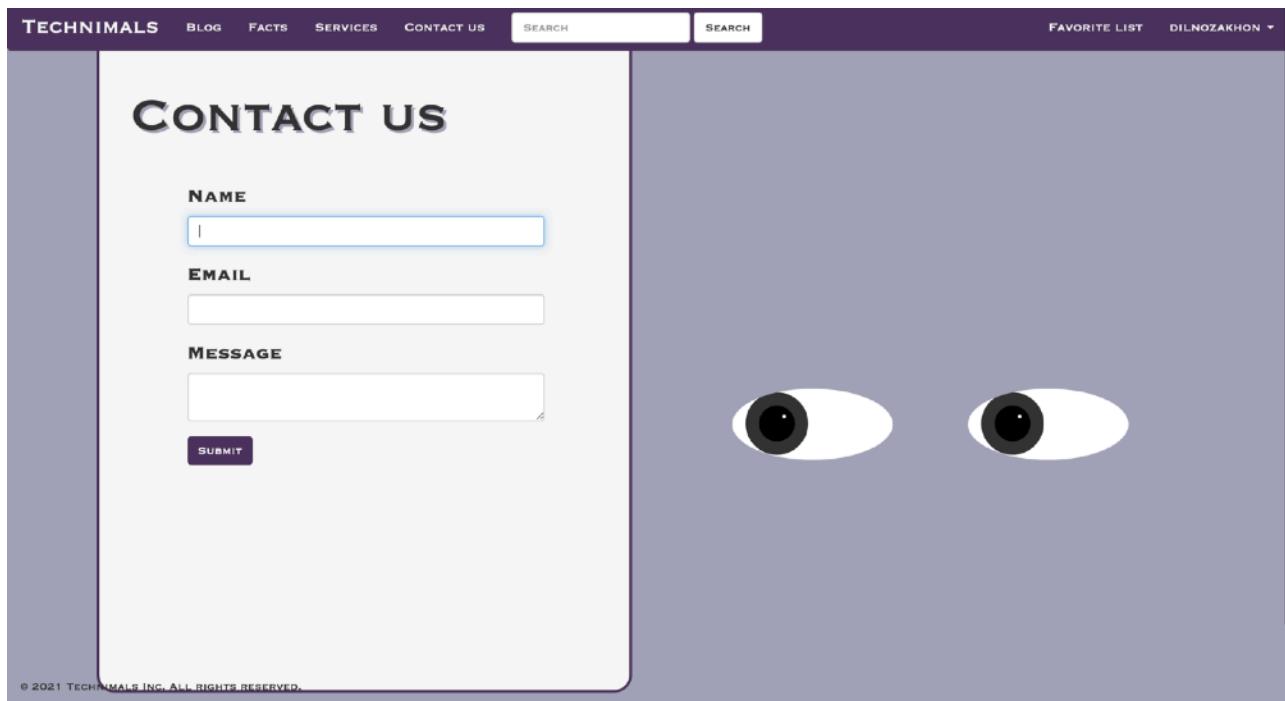
PRESENTATION

report3.pdf 11 / 23 - 59% + ↻ ↻

FUNCTIONALITIES OF MR. BUG

Contact us

Contact us page, where users can easily send their message to the moderators of the blog.



TECHNIMALS BLOG FACTS SERVICES CONTACT US SEARCH SEARCH FAVORITE LIST DILNOZAKHON

CONTACT US

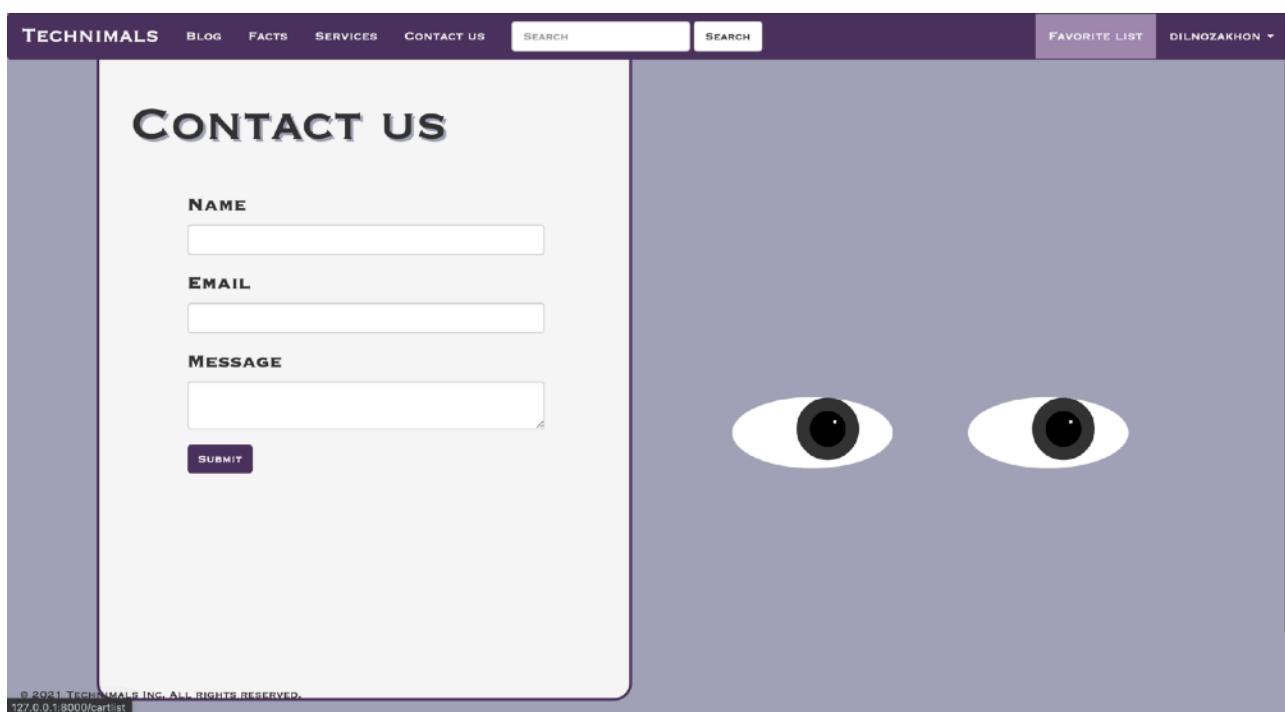
NAME

EMAIL

MESSAGE

SUBMIT

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TECHNIMALS BLOG FACTS SERVICES CONTACT US SEARCH SEARCH FAVORITE LIST DILNOZAKHON

CONTACT US

NAME

EMAIL

MESSAGE

SUBMIT

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127.0.0.1:8000/cart/list

Database

Database is used almost in every step in order to save the huge amount of data.

- Registration (to save email, password)
- Login (to check email, password)
- Articles (to post and save)
- Favorite list (to save link to the article)
- Contacts (to save messages and emails)
- Facts (to save media and text)

Team members contribution

Initially tasks were distributed as following:

Dilnozakhon Mirsaidova-U1910042 — Design and content

Dildora Asadova-U1910076 — Design and content

Gulkhayo Akhadjonova-U1910009 — Functionality

Elina Abdrrashitova-U1910025 (team leader) — Functionality

Even though all members had their own task to complete, almost each work was done by all members in collaboration and discussion (in Telegram group).

References

1. <https://www.geeksforgeeks.org/>
2. Stack overflow
3. Lecture slides