



T-Rex Runner Game(Chrome dino game)

ANURAG MISHRA

IIT(ISM) DHANBAD

PROJECT:

A simple game designed to run in the browser, and all the graphics and sound effects are embedded into the code. The game is controlled over obstacles such as red blocks or cacti and pterodactyls as the T-Rex runs automatically from left to right. The game is designed to be challenging, and the speed of the T-Rex increases as the player progresses, making it more difficult to avoid obstacles. The game also keeps track of the player's high score, so they can try to beat their best score every time they play.

Features:

✚ A sign in-sign up landing page for user authentication.

The person after logging in should be able to see the interface of the game.

✚ Other users can join game using id and password.

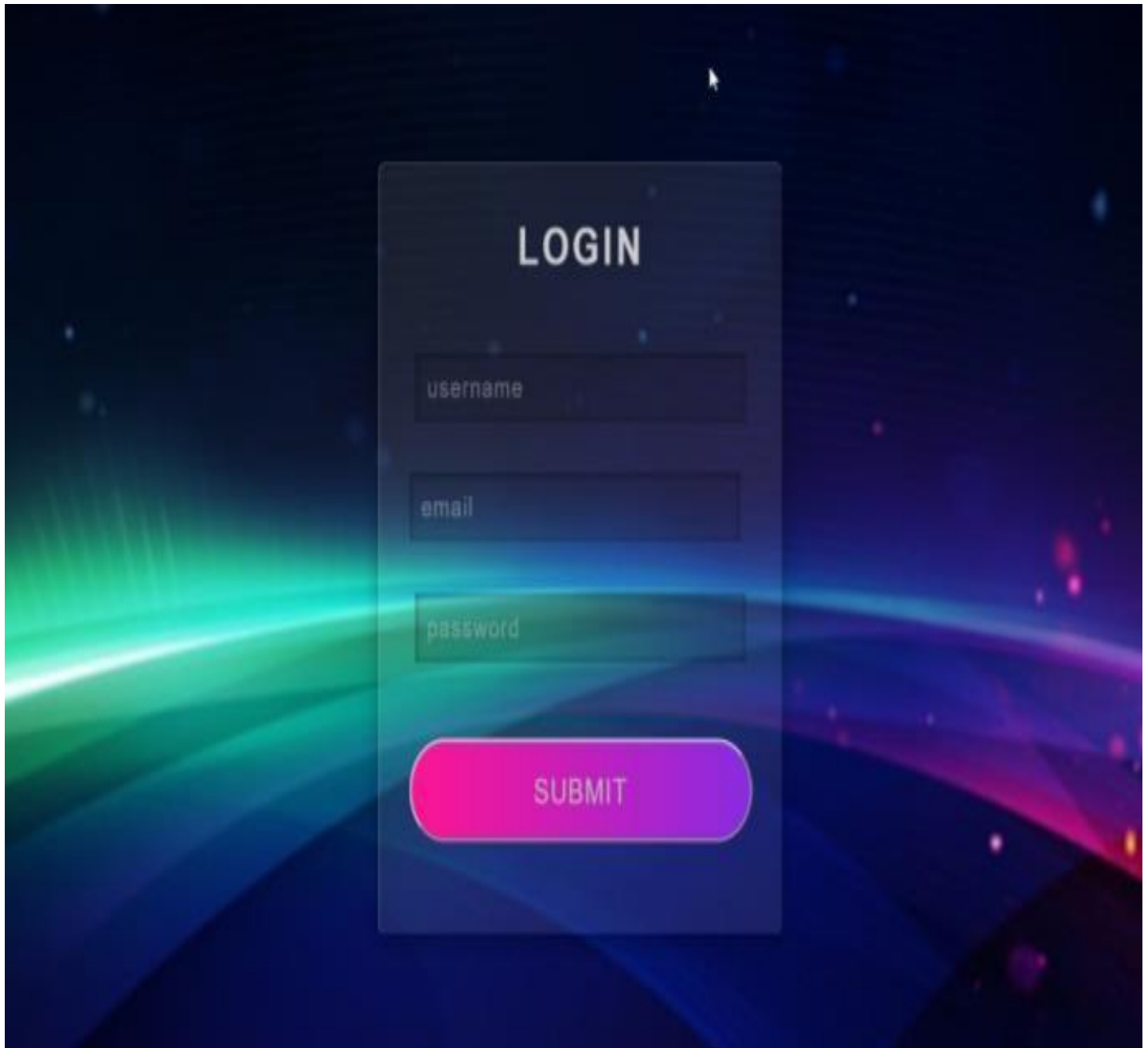
✚ Username, score and highest score are available at the top.

✚ After every 30 seconds the background graphics should change.

✚ Background music will be present.

✚ the speed increases as the game proceeds further. The game proceeds from left to right.

Sample of the login page



TechStack:

 HTML For rendering.

The basic design of all type of webpages are being done by using HTML.

 CSS for styling and presentation.

Accessibility point of view, applications of CSS provides much better solutions that allow users to update the user interphase to suit project requirements.

 JavaScript for game logic.

The logic of the game is being controlled by Javascript. Javascript helps the users to build modern web applications to interact directly without reloading the page every time.

Brief Implementation Details:

- First of all,I need to create a signUp form and Login form. I will change the design using CSS, and the authentication part will be done by using google authentication.
- Now ,the user is logged In and will be redirected to landing Homepage ,where the game dinasaur will appear in static state. Homepage designing part will be done by using CSS and HTML.
- The game starts once when the user implements it. The scoreboard, highest score ,Username will appear at the top of the page. Actually I do not know much about this part . But surely will learn about it while doing the project.
- There will be background music inserted as a default music.
- There will be real time score progress(by using HTML,JS and CSS for design purpose) where the score will increase as the game progresses.
- The speed of the game increases as the score of the game increases making the game much more challenging.
- The logical part will be done by using JAVASCRIPT.

Week Wise Timeline:

1st week(22-28 FEB)	Frontend for Login, SignUp, Landing Page, for the users to play the game.
2nd week(1-7march)	Develop the system of homepage of the game by using HTML and CSS(DESIGNING AND STYLING).Score and username must be displayed on top of the page.

3rd week(8mar-14 March)	Continuation of the part done in week 2(gamepage design).Developing the homepage ,adding background music to the game. starting the game from the right side. Creating the obstracles.
4th week(15-21March)	Increasing the speed of dinosaur as the game proceeds. And other new features if any in this time period.Changing the graphics after every 30 seconds.
5 th week(22-25 March)	Giving final touch to the project and if possible deploying.

This is what the time-line I will follow.

About Me:

- **NAME:** ANURAG MISHRA
- **PLACE:** BASTI,
UTTAR PRADESH
- **EMAIL:** 22JE0150@IITISM.AC.IN
- **PHONE:** +91 8442004380
- **UNIVERSITY:** Indian Institute of
Technology (Indian School of
Mines), Dhanbad
- **MAJOR:** Chemical Engineering
- **Year Of Study:** First Year

Why should I be selected?

To be honest, I am new to coding (almost started in recent months). **Till now I have done some simple webpages on form, listing, etc**

(basic html and css). I am practising HTML, CSS, Js online. However, if for any serious unexpected reasons, I am not able to complete some task , I will definitely complete it post as first priority.

I am keenly interested in making this website and i will give my best for completing this project in the given time period.

You may select me for being a quite fast learner and adapt to changes around myself, and I am also ready to give most of my time for this project. I can push myself to the boundaries, come out of the comfort zone and work things out. I will love to work in the field of full-stack web development with you all in the future.

Commitment:

As our end semester exam ended on 19 Feb. I will be able to give my 100% in the project. On an average, I will be able to contribute minimum of 3 hrs daily. Till now I have no plan for after the exam. But if I will have, I will let my Mentor know without fail. I will always keep my project prior, designing it beautifully and complete it within given time.

POST WOC PLANS

I would love being a part of the web development division here at cyber Labs and would like to work on more on such projects based on web development, plus after gathering enough skills and experience in this field I would like to freelance and mentor my juniors (joining cyber Labs in future)too, who

have a chance of feeling lost in the lack of guidance.

THE END