

# Game Overview and Description

## Name

DINOSAUR T-REX GAME (The Chrome Runner Remix)

This is a game inspired by the Google Chrome Runner game.

## Story and Objectives

### The Legend of Rex and the Infinite Loop

You are REX, the last surviving piece of analog code, accidentally activated when a catastrophic server failure—a complete internet outage—trapped the world in an endless, desolate digital space known as the Chrono-Web. The barren landscape is constantly generated by a desperate, repetitive algorithm.

Rex’s continued existence is viewed as a critical flaw by the system's Purge Protocol, which manifests as the ever-increasing game speed, trying to accelerate Rex into oblivion.

The Mission: Rex must continue his run, leaping over the Corrupt Data Spikes (cacti) to stay ahead of the Purge Protocol and survive long enough to reach the hidden System Core.

The Objective: Complete all three progressively faster levels. Successfully reaching the end of Level 3 means Rex breaks the loop, rebooting the system and saving the internet.

## Game Controls

Action	Key(s)	Function
Jump	SPACE or UP ARROW	Propel Rex over the Corrupt Data Spikes.
Restart Level	R (at Game Over or Level Complete)	Resets the current level and score.
Next Level	N (at Level Complete)	Advances to the next section of the Chrono-Web.
Main Menu	SPACE (at Game Over)	Returns to the start screen.
Debug Mode	D	Shows hit boxes and debug information.

## Game Mechanism

### Failure

The game ends immediately if the Dinosaur's hit box collides with an obstacle's hit box.

### Completion

Each level has a time limit (level duration) that determines completion, simulating a destination.

### Scoring

Score increases by 0.1 points every frame. 10 bonus points are awarded for every obstacle successfully passed. The game tracks and displays the Level Score, Total Score (cumulative across levels), and the High Score (personal best level score).

### Levels

Level	Completion Time (s)	Base Speed	Obstacle Interval Range (frames)
1	30	5	80 ~ 160
2	40	6.5	70 ~ 150
3	50	8	60 ~ 140

## Asset Documentation & Credits

Asset Type	File Name	Source	Notes
Image (Dinosaur)	t-rex dino.png	Generated using Google Gemini	Main player sprite.
Image (Small Cactus)	small cactus.png	Generated using Google Gemini	Small obstacle sprite.
Image (Big Cactus)	big cactus.png	Generated using Google Gemini	Large obstacle sprite.
Sound (Jump)	jump.mp3	CS 6452 Class	Used when the dinosaur jumps.
Sound (Game Over)	game-over-arcade.wav	Mountain_Man, <a href="https://www.freesound.org/">Freesound.org</a> CC0 1.0 License	Collision/Game Over sound.