



# Web Authoring

Final Brief

**Student**

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Software 1

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# Introduction

StinkyCat Studio is an independent game development studio specializing in creating educational and simulation games for children and young audiences. The website highlights the company's projects, providing detailed information about the services it offers while presenting their vision and company description.

This project uses Express for server-side application logic, EJS for templating, and MySQL for database operations(to keep track of contact form). Additionally, it uses middleware like CORS for cross-origin requests and dotenv for environment variable management.

[https://github.com/PradoGabriela/StinkyCatStudio\\_WebPrototype.git](https://github.com/PradoGabriela/StinkyCatStudio_WebPrototype.git)

# Target Market and Site Objectives

## Target Market

The website is intended for three primary audiences:

- **Schools/Academies:**
  - **Demographics:** Schools and academies teaching computer science, robotics, and game design.
  - **Location:** Across the EU and UK, especially those catering to students from middle- or high-income families.
  - **Technology Usage:** Low-performance PCs.
  - **Pain Points:** Lack of information for specific age groups of kids.
- **Toys/Kids Product Companies:**
  - **Demographics:** Businesses specializing in products for children, potentially integrating games into their offerings.
  - **Technology Usage:** Mobile and PC support.
  - **Pain Points:** Difficulty in finding clear information for getting a quote.

- **Parents/Tutors:**

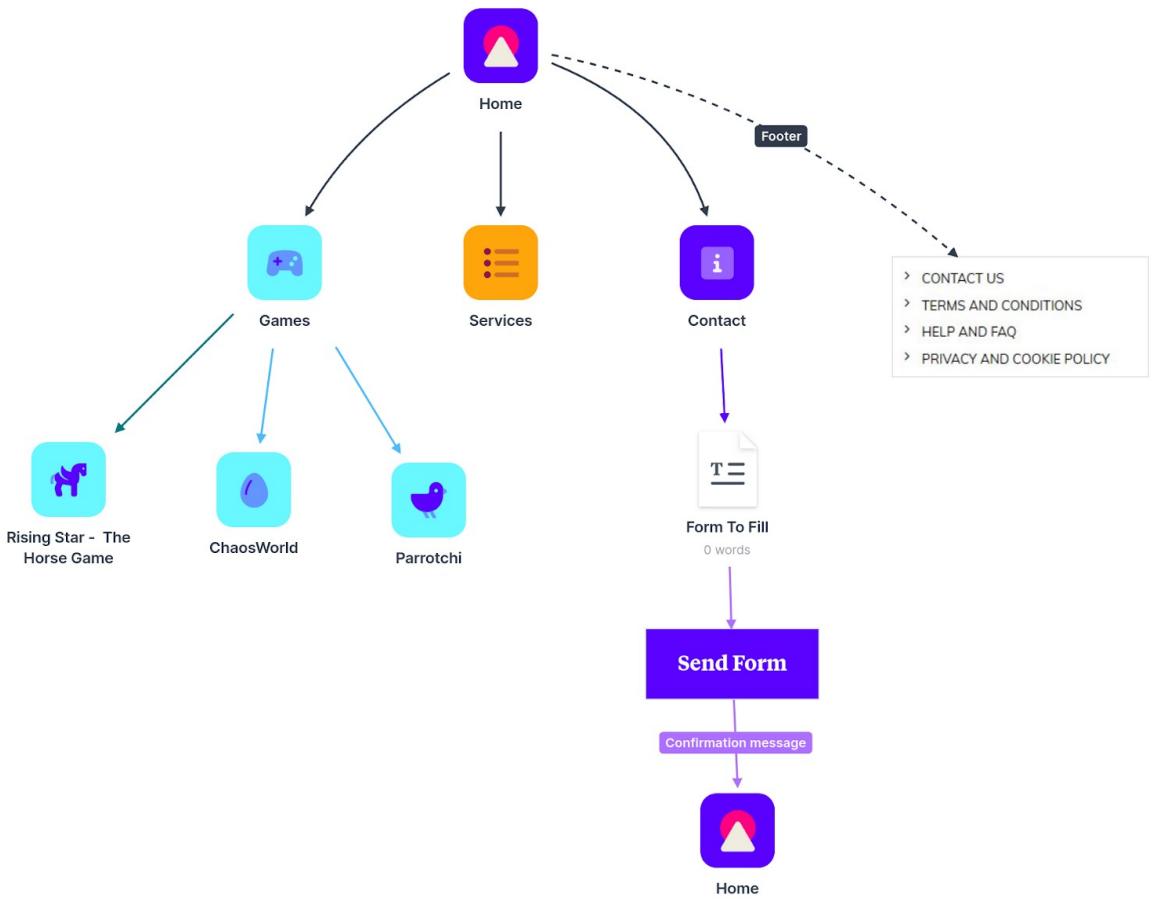
- **Demographics:** Parents or guardians looking for educational or simulation games for their children.
- **Technology Usage:** Mobile and PC support.
- **Pain Points:** Overload of information on websites, making navigation difficult.

## Site Objectives

- Provide **clear and concise information** about services, products, and examples.
- Ensure an **easy navigation experience** for parents.
- Offer **contact forms and quotation options** for businesses and schools.
- Include **learning games and interactive content** to attract schools and academies.
- Ensure **compatibility across various devices** (PC and mobile).

This site aims to bridge the gap between educational institutions, toy companies, and parents by offering an intuitive and informative platform.

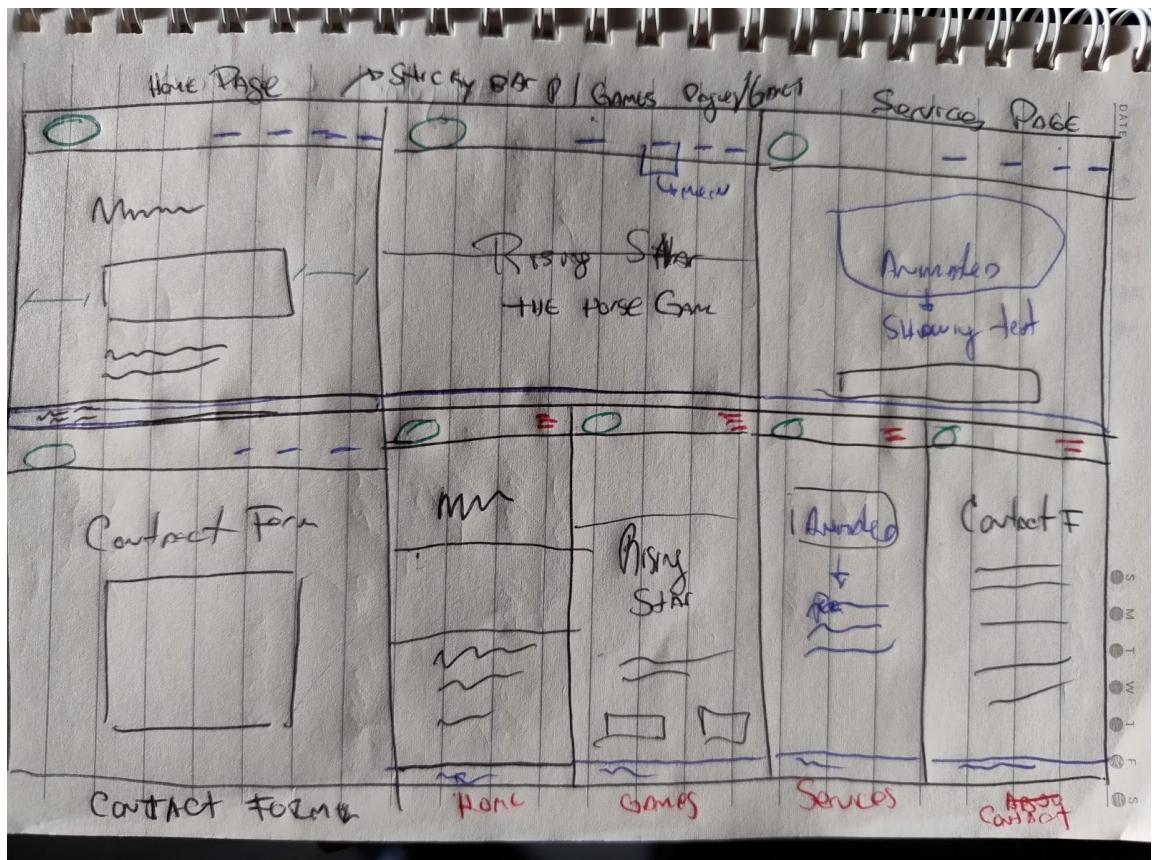
# Site Map

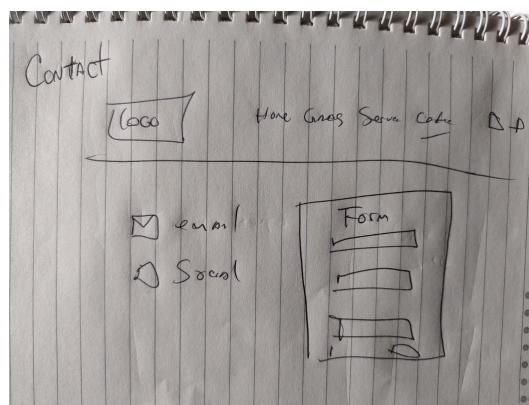
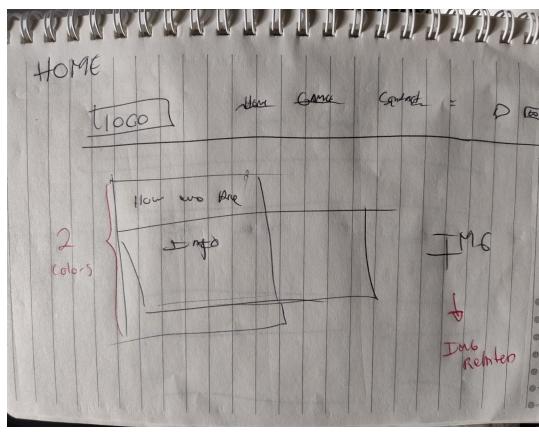


# Initial Sketches

The following sketches outline initial design concepts for the website, featuring key pages such as a **home**, **games**, **services** and **contact**, navigation links, game listings, and the contact section include a simple form.

## Wireframes





## Tools for Website Creation and Maintenance

**Visual Studio Code** as a code editor.

**Canva** as a graphic design tool.

**JavaScript, HTML and CSS.**

**node js** -and its dependencies: cors, dotenv, ejs, env, express, fs, mysql.

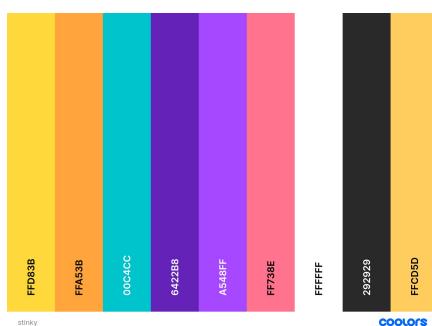
**MySql** as database

Google fonts, Font Awesome and GitHub.

# User Interface Propose

The proposed user interface is based on a vibrant color scheme designed to appeal to young audiences or children's products companies/ schools. For this reason, a six-color palette featuring bright, energetic tones has been selected, with each page distinguished by its own unique color. Additionally, to enhance the playful and friendly aesthetic, the rounded font "DynaPuff" (from Google Fonts) has been chosen. For seamless navigation, a sticky navigation bar will be implemented, allowing users to easily switch between pages at any time.

## Color Palette



## Home Page

The Home Page mockup for StinkyCat Studio is a full-page design. At the top, there's a header with the studio's logo (a black cat icon) and the text "StinkyCatStudio". Below the logo is a navigation bar with four tabs: "Home" (teal), "Games" (pink), "Services" (purple), and "Contact" (yellow). To the right of the navigation bar are two social media icons: a white Instagram icon with a blue outline and a white Twitter icon with a blue outline. The main content area is divided into several sections. On the left, a large yellow box contains the text "Who we are?". Inside this box, there are three paragraphs: "Small indie development team based in Ireland", "We create Simulations Games designed to inspire learning, creativity, and empathy.", and "Our focus is innovate, educate and ethical approach". Below this yellow box is a teal box containing the text "Contact us to bring your game idea to life.". To the right of the yellow box is a teal box with the text "Welcome to StinkyCat Studio" and an illustration of a team of six people (three men and three women) sitting around a table, working on laptops and a game board. The footer is a purple band at the bottom of the page. It contains links to "About us", "Contact us", "Privacy", and "FAQ" on the left. In the center, it says "All rights Reserved © StinkyCat Studio 2025". On the right side of the footer are two social media icons: a white GitHub icon with a blue outline and a white LinkedIn icon with a blue outline.

## Games Page



[Home](#) [Games](#) [Services](#) [Contact](#) [!\[\]\(b16059d7582cfbd44776b82254580985\_img.jpg\)](#)

### Games

**Rising Star The Horse Game**

Rising a Star is a relaxing horse care simulator game with immersive horsemanship tasks and management features. Your grandpa owns a stable which was the place one of the most important equestrian academies of Tuscany. But now you're old enough to take care of it.

Platforms:     
Genre: Horse care simulator, educational.  
Target Audience: Equestrian Academies, kids and young player, simulation gamer lover audience



[About us](#) [Contact us](#)  
[Privacy](#) [Our Artist](#)  
[FAQ](#) All rights Reserved © StinkyCat Studio 2025 [!\[\]\(1013f164ce5652a7cf35ef87df2e371c\_img.jpg\)](#) [!\[\]\(a55c03eac24fa11a4feb5eef810080b3\_img.jpg\)](#)

## Services Page



[Home](#) [Games](#) [Services](#) [Contact](#) [!\[\]\(43c0285a501e8bd54c817541e939e111\_img.jpg\)](#)

### Our Services at StinkyCat Studio

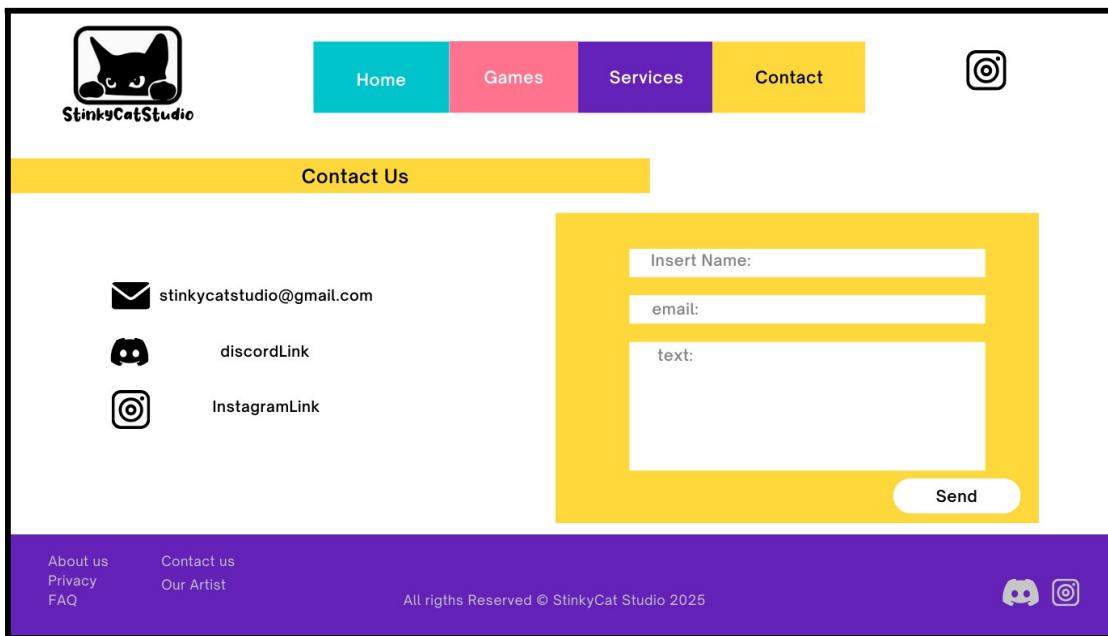
At StinkyCat Studio, we are passionate about creating games that are not only fun but also meaningful, educational, and ethically designed. Our services are tailored to meet the needs of schools, businesses, and families, ensuring high-quality, engaging, and responsible gaming experiences. **Here's what we offer:**

**Game Development**  
We bring your ideas to life with end-to-end game development services, optimized for mobile, web, Windows, and Mac platforms. Our process includes:

- **Conceptualization:** Turning creative ideas into actionable game concepts.
- **Design & Prototyping:** Crafting immersive gameplay and user experiences.
- **Art & Asset Creation:** Designing visually appealing characters, environments, and animations.
- **Programming & Development:** Building robust and seamless game mechanics.
- **Quality Assurance:** Rigorous testing to ensure a polished, bug-free experience.
- **Optimization:** Fine-tuning performance for smooth gameplay across devices.

[About us](#) [Contact us](#)  
[Privacy](#) [Our Artist](#)  
[FAQ](#) All rights Reserved © StinkyCat Studio 2025 [!\[\]\(6f7ec32733d6e6c4b7335fd6a6fd2ed9\_img.jpg\)](#) [!\[\]\(be97fa1ec9d2a1a15f0c06a9ef17234f\_img.jpg\)](#)

## Contact Page

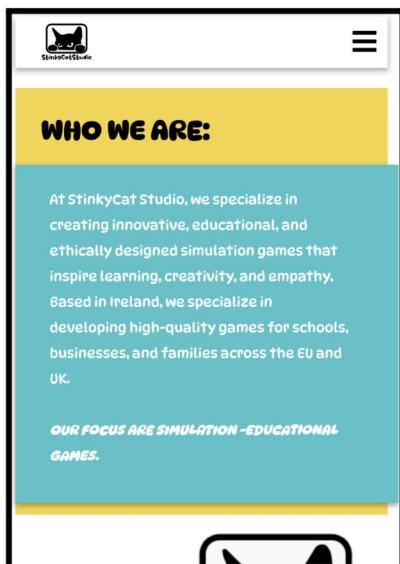
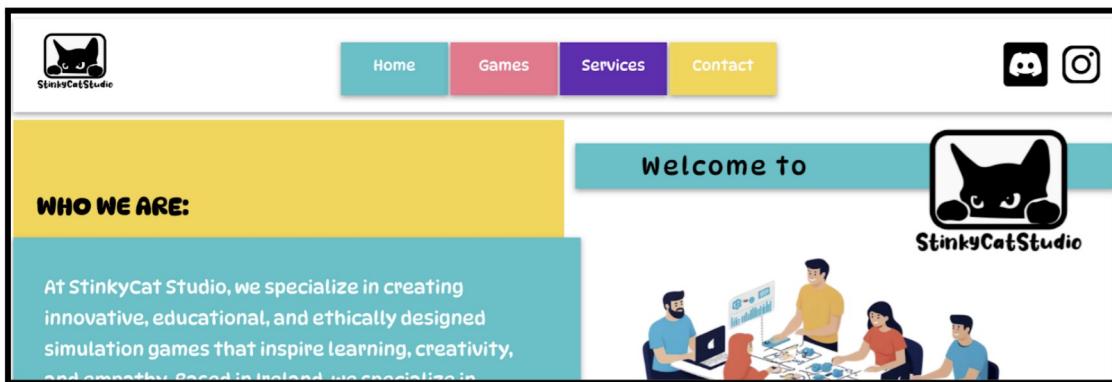


## Upload the Site to a Web Server

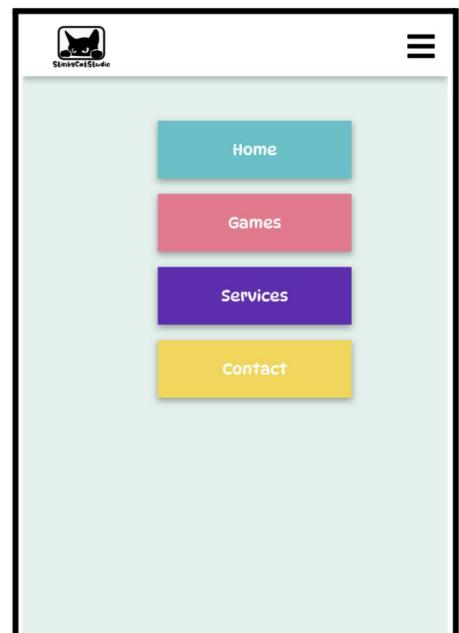
To upload the website to a web server, you'll need a VPS (Virtual Private Server) since the site was built with Express and requires Node.js. Start by setting up the VPS, installing Node.js, and then cloning the project from GitHub. Once the files are in place, install all necessary dependencies using `npm install`. Next, connect the server to your database (such as MongoDB or MySQL) to enable data storage and retrieval. Afterward, secure the website by obtaining an SSL certificate (e.g., via Let's Encrypt) to enable HTTPS encryption. Finally, link your server to a web hosting service using the server's assigned IP address to make the site publicly accessible.

# Test WebSite Functionality

## Navigation bar



The navigation bar enables users to switch between pages at any time. It remains fixed (sticky) at the top of the screen and highlights the current page with differently colored text. Since the entire website is responsive, the navigation bar adapts to mobile screens by transforming into a collapsible menu, which can be expanded or collapsed using a hamburger icon.



## Games Showcase

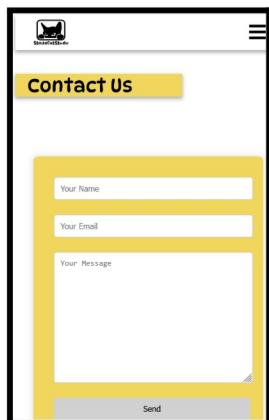
The game page displays all the company's available games, featuring an image, basic details, and an access link for each title. The game information is dynamically retrieved from a JSON file. At the bottom of the page, users can watch an embedded YouTube video showcasing the trailer of one of the featured games.

The screenshot shows a website for "StinkyCat Studio". The header includes a logo of a cat, navigation links for Home, Games, Services, and Contact, and social media icons for Discord and Instagram. The main content area has a teal header bar with the word "Games". Below it, there are two game cards. The first card for "Rising Star - The Horse Game" features a blue horse and a person standing next to it. The second card for "Parrotchi" features a colorful parrot and the text "YOUR FEATHER FRIEND". Both cards include a brief description, platform information (PC, Mac), genre (Simulation, Virtual Pet, Management/Automation), features, and a download link (<https://steamcommunity.com/app/219460>).

The screenshot shows a "Next Launch" section on the website. It features a large video player with the title "Rising Star - The Horse Game | Early De..." and a play button. Below the video, there is a "Watch on YouTube" link. The footer of the page is purple and contains links for Legal, Company, Privacy and Cookies, Terms of Use, Contact, About Us, OurArtist, FAQ, and Contact. It also includes the copyright notice "©Copyright 2025 StinkyCat Studio| All Rights Reserved" and social media icons for Discord and Instagram.

## Contact Form

The contact form is located on the right side of the page. It contains three input fields: 'Your Name', 'Your Email', and 'Your Message'. Below these is a large text area for the message. At the bottom is a blue 'Send' button.



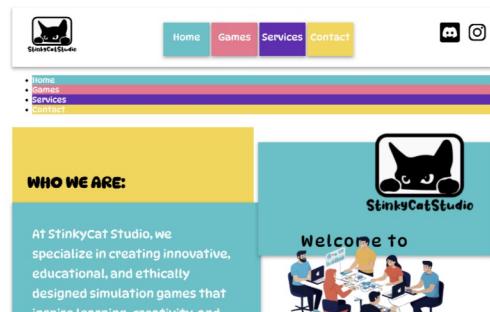
The website features a contact form that allows users to reach out to the company. Submitted information is securely stored in a database. The form is fully responsive, ensuring seamless functionality across all devices, including mobile screens.

## Issues Encountered

### 1. Mobile Side Menu

The mobile side menu does not close after being opened when the user resizes the screen.

**Solution:** Use the correct ID and disable the links in the style.css



```
.phoneList
{
    display: none;
}
```

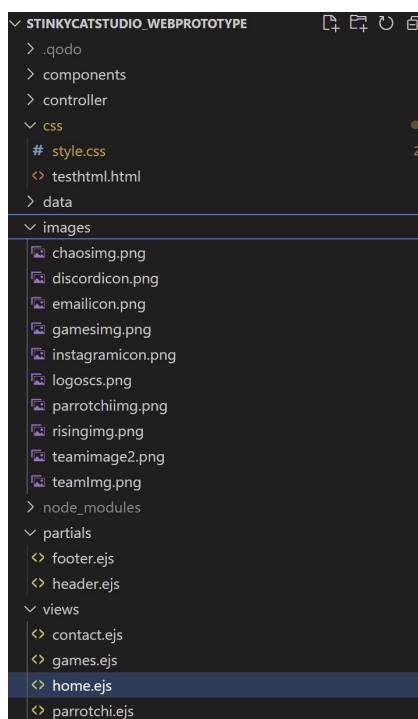
## 2.Images issue

Images are not being uploaded properly.

Solution: with node js the path for the images have to be different, the img have to be addresses to the root folder

```
</div>

```



## Future Planning

### Updating Text:

To update text content in the project, open the folder in **Visual Studio Code**. If you need to change the font, you can find it in the **header partial**, where a **Google Font** is currently being used. For modifying text styles—such as size, color, or spacing—locate the corresponding **class** or **ID** in the **style.css** file. This ensures consistent styling across the application while allowing for easy customization.

## Creating New Pages

To create a new page, you must first create an **.ejs file** in the **views folder**. Once the file is created, the next step is to add the corresponding route in the **route controller file** to ensure the page is accessible. Additionally, all new pages should maintain consistency by following the existing **layout structure** and **color palette** for a cohesive user experience. For example:

```
router.get('/newPage',  function(req, res) {  
  
    var title = 'new page title';  
  
    res.render('newPage', {title: title})  
}) ;
```

## Inserting Images

To properly insert an image on the website, first place the image file in the project's images folder. When referencing the image in your code, use a root-relative path to ensure it loads correctly. It's crucial to use high-quality images that are properly optimized for web display, balancing quality with file size for optimal performance. For example, you would include an image using HTML like this: .

Remember to always include appropriate alt text for accessibility and consider using modern formats like WebP for better compression. The image should be sized appropriately for its intended display dimensions while maintaining sharpness on all devices.

```

```

## Creating Links

**External links:** use anchor element in this way

```
<a href="https://discord.com/"></a>
```

**Internal links:**

```
<li class="navLink yellowC"><a href="/contact">Contact</a></li>
```

## **Uploading Updated Content**

Before uploading updated content or tools, ensure all modules are properly updated on the server. Verify that everything functions correctly by conducting thorough testing across different browsers. Additionally, confirm that all versions (dependencies, libraries, etc.) match those on the server to prevent compatibility issues. This process helps maintain stability and ensures a seamless experience for users.