

Canva Clone

A web-based design platform inspired by Canva, built using **TypeScript**, **Remix**, and **Fabric.js**, with a modern UI styled using **Tailwind CSS**. This project enables users to create, customize, and manipulate designs efficiently with a clean and responsive interface.

Features

- **Drawing Tools:**
Intuitive drawing tools for freehand sketches, shapes, and object manipulation, powered by **Fabric.js**.
 - **Text Editing:**
Add, edit, and style text with options for fonts, colors, alignment, and resizing.
 - **Image Manipulation:**
Upload, resize, rotate, and layer images directly on the canvas.
 - **Responsive UI:**
Styled with **Tailwind CSS** for a sleek, responsive, and accessible design.
 - **Type Safety:**
Developed with **TypeScript** to ensure robust and maintainable code.
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Technologies Used

- **Frontend:** Remix, TypeScript, HTML5, CSS3, Tailwind CSS
 - **Canvas Manipulation:** Fabric.js for robust design features
 - **State Management:** Remix's data loaders and actions
 - **Version Control:** Git and GitHub for collaborative development
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Installation

1. Clone the repository:
 2. `git clone https://github.com/yourusername/canva-clone.git`
 3. `cd canva-clone`
 4. Install dependencies:
 5. `npm install`
 6. Start the development server:
 7. `npm run dev`
 8. Open your browser and navigate to `http://localhost:3000` to access the application.
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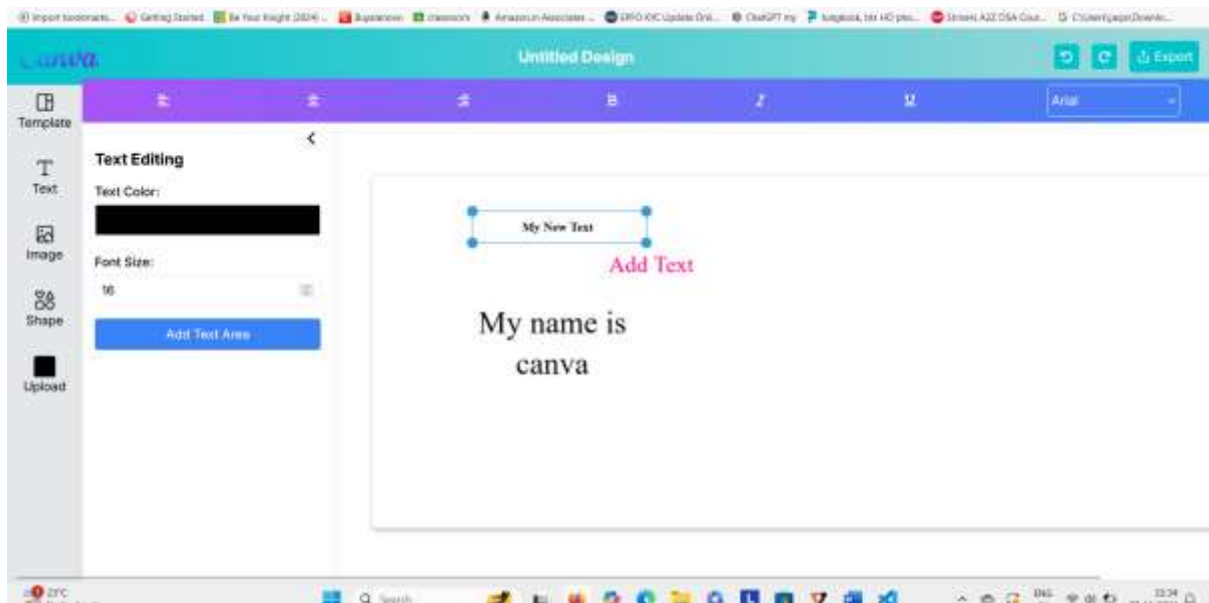
Usage

1. **Drawing:**
Select the drawing tool from the toolbar. Customize stroke width and color for your sketches.
2. **Adding Text:**
 - Click the "Add Text" button to place a text box on the canvas.
 - Modify the text's font, color, and size using the toolbar options.
3. **Image Uploads:**
 - Drag and drop an image into the canvas or use the upload option.
 - Resize and rotate images directly on the canvas.
4. **Styling:**
 - Experience a responsive and clean UI styled with **Tailwind CSS**, ensuring seamless usability on any device.
5. **Saving Your Work:**
 - Use the "Save" button to download your design in a preferred format (e.g., PNG, JPEG).

Output Preview

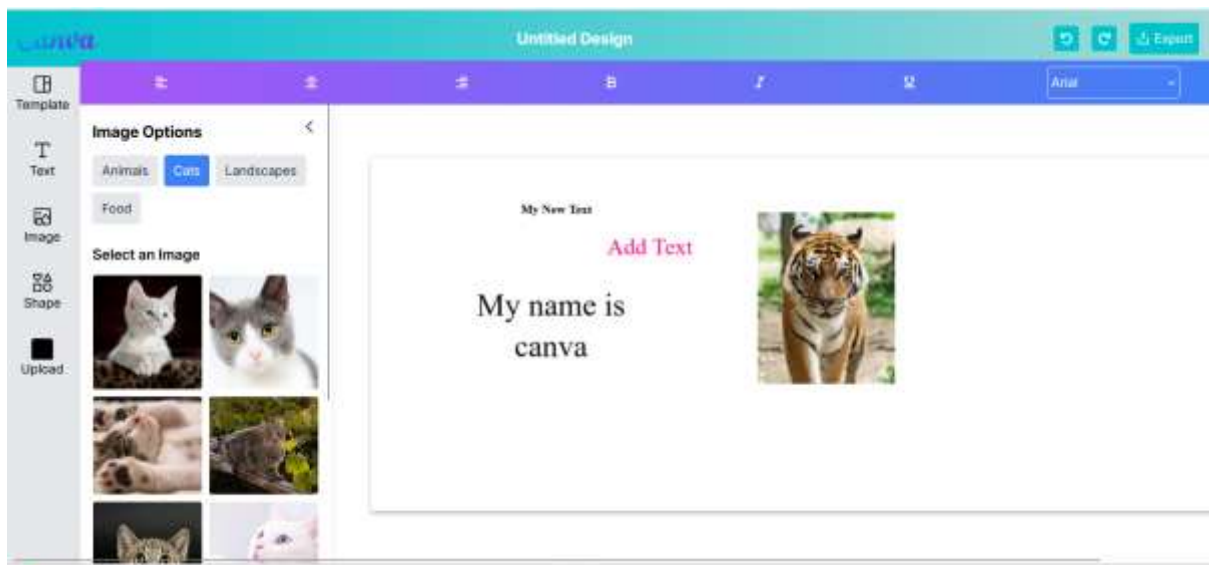


Text Editing



Creating a poster with customized text.

Image Manipulation

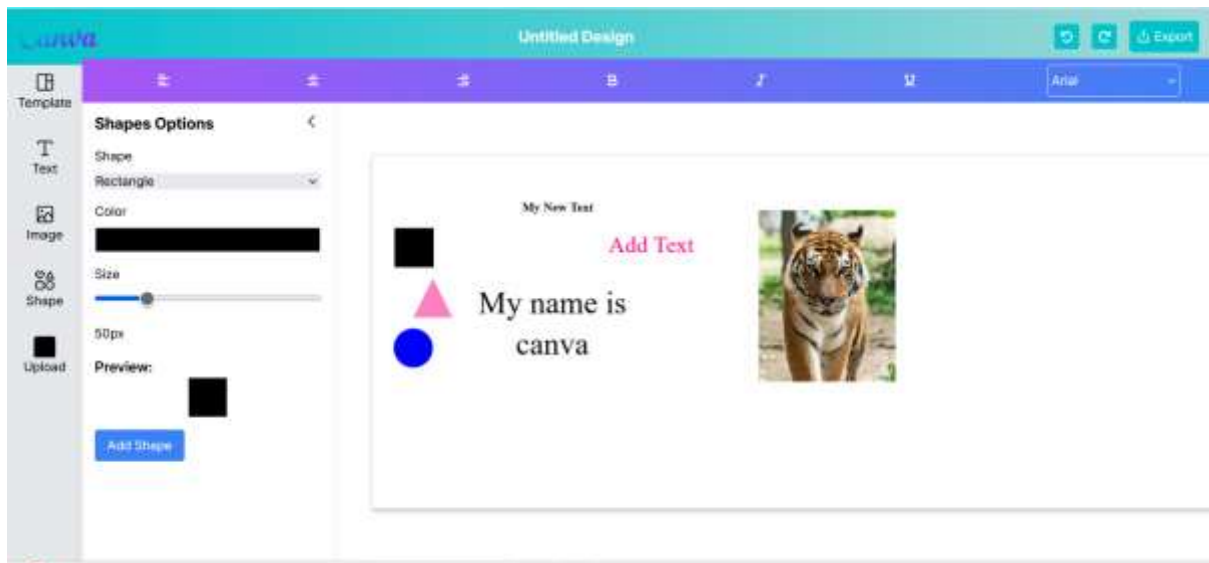


Editing and layering images for a graphic design.

Drawing and Shapes

A user sketching with freehand tools and adding geometric shapes.





Future Enhancements

- Add user authentication and cloud storage integration.
- Enable collaborative editing in real time.
- Include pre-designed templates and advanced editing tools.

Contributing

Contributions are welcome! Feel free to open issues or submit pull requests to improve the project.

License

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