

Digital Portfolio



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PROJECT TITLE



DRAWING APP



AGENDA

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PROBLEM STATEMENT

Lack of simple, user-friendly digital drawing tools for quick sketching.

Most professional drawing apps are complex and require high learning curves.

Need for an application where users can freely express creativity with basic drawing features.



PROJECT OVERVIEW

Developed a lightweight drawing application for sketching and painting.

Provides tools like pencil, brush, eraser, shapes, and color palette.

Supports saving and clearing drawings easily.

Designed for beginners, students, and hobbyists who want a simple digital canvas.



WHO ARE THE END USERS?



Students who want to create diagrams or sketches digitally.

Artists or hobbyists for casual drawing.

Teachers for creating quick illustrations during teaching.

Anyone who needs a quick tool to draw and save notes/ideas



TOOLS AND TECHNIQUES



Programming Language: (e.g., Python / Java / JavaScript – depending on what you used).

Framework/Library: (e.g., Tkinter / PyQt / HTML5 Canvas / Android Studio).

Techniques Used:

Event handling for mouse clicks and movements.

GUI design for user-friendly interaction.

File handling for saving images.

POTFOLIO DESIGN AND LAYOUT

Clean and minimal user interface.

Toolbar with options: pencil, brush, eraser, colors, and shapes.

Large blank canvas for drawing.

Menu bar for “New”, “Save”, and “Exit”.

Responsive design for better usability.

FEATURES AND FUNCTIONALITY

Draw using freehand pencil/brush.

Eraser to remove mistakes.

Shape tools (line, rectangle, circle).

Customizable brush size and colors.

Option to clear the entire canvas.

Save drawings as image files.

RESULTS AND SCREENSHOTS

Successfully implemented a functional drawing app.

Easy to use with smooth drawing experience.

Screenshots:

Home screen with canvas and toolbar.

Example drawing made with the app.

Save file dialog box.



CONCLUSION



The project provides a simple, user-friendly digital drawing solution.

Helps users express creativity without complex tools.

Can be further enhanced with advanced features (layers, undo/redo, text tool).

Contributes to digital art accessibility for students and beginners

