

DIGITAL PORTFOLIO

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PROJECT TITLE

- INTERACT DIGITAL PORTFOLIO USING FRONTEND DEVELOPMENT

AGENDA

- ▶ 1.PROBLEM STATEMENT
- ▶ 2.PROJECT OVERVIEW
- ▶ KEY FEATURES
- ▶ 3.END USERS
- ▶ TOOLS AND TECHNIQUES
- ▶ PORTFOLIO DESING AND LAYOUT
- ▶ FUNCTIONALITY
- ▶ CONCLUSION

PROBLEM STATEMENT

- ▶ While numerous messaging platforms exist many are either overly complex require heavy backend infrastructure or lack customization for specific user needs. This project aims to develop a simple frontend based messenger website that allows user to send and view message in real time providing a clean and intuitive interface for basic communication.
- ▶ Enable user to type and sent messages that appear instantly in the chat window.

- Lay the foundation for future enhancements like user authentication, message persistence and real time backend integration.

PROJECT OVERVIEW

- ▶ The mini messenger website is a lightweight front-end-only chat interface designed to simulate real time messaging built using Html, CSS ,and java script it offers users a clean and intuitive space to send and view messages instantly without requiring backend infrastructure.
- ▶ Deliver a responsive and user friendly chat UI.
- ▶ Enable instant message display using java script DOM manipulation.

KEY FEATURES

- ▶ Simple message input and display.
- ▶ Auto scrolling chat window.
- ▶ Clean ,mobile- friendly design.
- ▶ Easy to extend with backend support.

WHO ARE THE END USERS

- ▶ End users :
 - ▶ Individual looking for a simple , no-login chat interface.
 - ▶ Want quick , lightweight communication without installing apps.
 - ▶ Ideal for temporary or anonymous messaging.
- ▶ Students & Learner:
 - ▶ Web development students practicing frontend skills.
 - ▶ Use the messenger as a sandbox to experiment with UI/ UI or java script.

- ▶ Can extend the project for assignments or portfolio work.

END USER

- ▶ Developers & Designers:
- ▶ Front end developers testing chat layout or message handling logic .
- ▶ UI/UX designers prototyping messaging interface s.
- ▶ Backend developers preparing to integrate real time features.

TOOLS AND TECHNIQUES

- ▶ HTML-For creating the structure of the website .
- ▶ CSS-For styling the layout making the Website responsive improving user experience.
- ▶ JAVA-For implementing functionality such as loading products.
- ▶ TEXTEDITOR: Codepen is used for writing and managing the code.

TOOLS AND TECHNIQUES

- ▶ Semantic HTML: using meaningful tags like `<form>`, `<header>`, and `<div>` clarity and accessibility.
- ▶ Responsive Layout: Flexbox ensures the chat container adapts to different screen size.
- ▶ Minimalist UI/UX: Clean design with intuitive input and message flow.

PORTFOLIO STRUCTURE AND DESIGN

- ▶ Header
- ▶ Fixed or sticky top bar.
- ▶ Contain: site name/ logo: mini messenger .
- ▶ Optional: add a theme toggle or user avatar.
- ▶ Chat container
- ▶ Chat box : scrollable area for messages.
- ▶ Message bubbles: alignment depending on sender.
- ▶ Timestamp :small under each message.

PORTFOLIOSTRUCTURE AND DESIGN

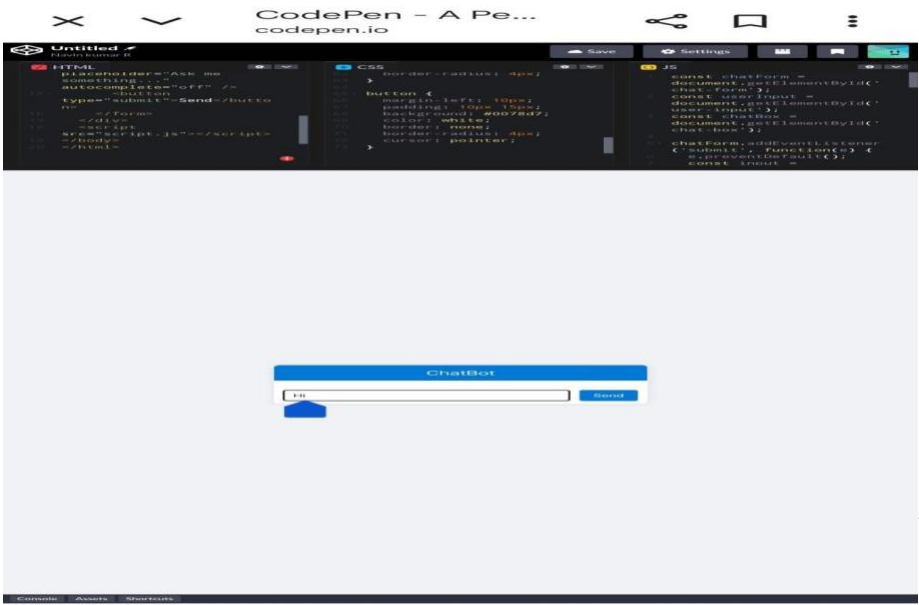
- ▶ Input section:
- ▶ Text input field.
- ▶ Send button.
- ▶ Responsive design
- ▶ Mobile first layout using media queries.
- ▶ Chat box height adjusts dynamically.
- ▶ Input field and button stack gracefully.

FUNCTIONALITY

- ▶ Message input and display:
- ▶ Users can type a message into the input field.
- ▶ On clicking "send" or pressing enter the messages are displayed instantly in the chat window .
- ▶ Message are displayed as styled bubbles for readability.
- ▶ Input field rest :
- ▶ After sending a message the input field clears automatically.

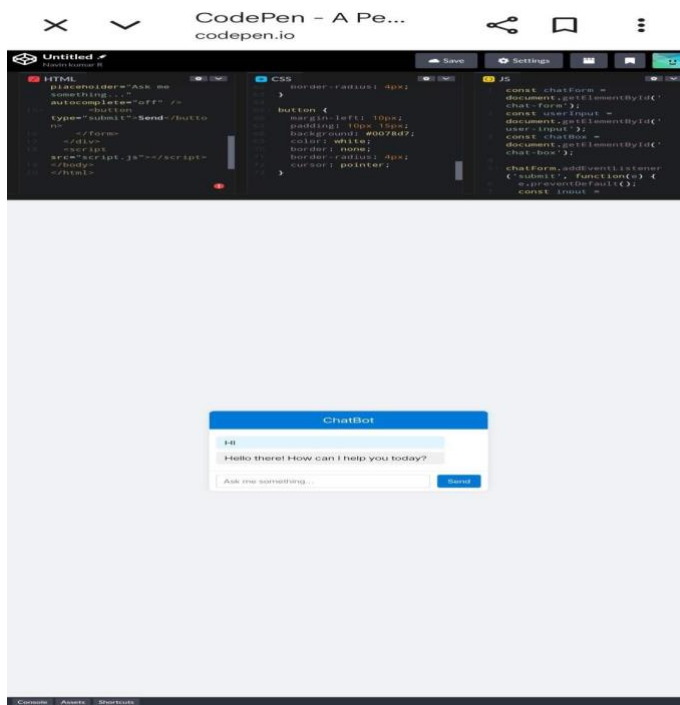
- ▶ Prevents duplicate message and improves flow.

RESULT AND SCREENSHOT



RESULT AND SCREENSHOT





CONCLUSION

- ▶ The mini messenger website successfully demonstrate how a clean ,responsive , and interactive chat interface can be built using only front end technologies HTML ,CSS , and java script.
- ▶ It offers users a seamless experience for sending and viewing message in real time .