

Sample Prompt

CHAPTER-08

Tech and Coding related solution from DeepSeek

03 Create Web Tools

Tips for Creating Effective Prompts for Web Tools

1. **Be Specific** – Clearly define the tool's purpose (e.g., "a password generator" vs. "a secure, customizable password generator with copy functionality").
2. **Include Key Features** – Mention functionalities like user authentication, API integration, or responsive design.
3. **Specify Technologies** – State if you need HTML/CSS/JS, React, Django, Flask, etc.
4. **Define User Interaction** – Should it have a GUI, CLI, or both?
5. **Mention Scalability & Security** – If the tool handles sensitive data, specify encryption or compliance needs.
6. **Request Best Practices** – Ask for clean code, optimization tips, or accessibility standards.
7. **Ask for Deployment Guidance** – Should it be hosted on Netlify, Vercel, AWS, etc.?

Final Tips for Refining Prompts

- **Iterate & Improve:** Start with a basic prompt and refine it based on output.
- **Ask for Step-by-Step Guidance:** Example: *"Explain how to build a React-based calculator from scratch."*
- **Request Optimization Suggestions:** *"How can I make this tool load faster?"*
- **Specify UI/UX Needs:** *"Should this use Material UI or Tailwind CSS?"*

Top 100 Sample Prompts for Creating Web Tools

1. General Web Tools

1. *"Create a simple HTML/CSS/JS tool that converts Markdown to HTML in real-time."*
2. *"Build a web-based QR code generator with customization options (color, size, logo)."*
3. *"Develop a URL shortener with analytics using Node.js and MongoDB."*
4. *"Design a browser-based image compressor with drag-and-drop functionality."*
5. *"Make a timezone converter that shows multiple locations side by side."*

2. Developer Tools

6. *"Create a JSON formatter and validator with syntax highlighting."*
7. *"Build a web-based regex tester with explanations for matches."*
8. *"Develop a CSS gradient generator with live preview and code export."*
9. *"Design a tool to minify and beautify JavaScript code."*
10. *"Make a Base64 encoder/decoder with file upload support."*

3. Productivity Tools

11. *"Build a Pomodoro timer with task tracking and notifications."*
12. *"Create a note-taking app with Markdown support and cloud sync."*
13. *"Develop a habit tracker with progress charts using React."*
14. *"Design a meeting scheduler with timezone detection."*
15. *"Make a browser extension to save and organize bookmarks."*

4. Financial & Business Tools

16. *"Create an invoice generator with PDF export."*
17. *"Build a loan/mortgage calculator with amortization tables."*
18. *"Develop a tip calculator split among multiple people."*
19. *"Design a currency converter using real-time API data."*
20. *"Make a budget tracker with expense categorization."*

5. Social Media & Marketing Tools

21. *"Build a hashtag generator for Instagram/Twitter."*
22. *"Create a social media post scheduler with a calendar view."*
23. *"Develop a YouTube thumbnail generator with templates."*
24. *"Design a tool to analyze Twitter/X engagement metrics."*
25. *"Make a meme generator with drag-and-drop text."*

6. Data & API-Based Tools

26. *"Create a weather app using the OpenWeather API."*
27. *"Build a COVID-19 tracker with global statistics."*
28. *"Develop a stock market dashboard with real-time data."*
29. *"Design a random user generator (like randomuser.me)."*
30. *"Make a dictionary/thesaurus tool using an API."*

7. AI & Automation Tools

31. *"Build a ChatGPT-like interface using OpenAI's API."*
32. *"Create a text summarizer using NLP libraries."*
33. *"Develop an AI-based image description generator."*
34. *"Design a sentiment analysis tool for user reviews."*
35. *"Make an automated resume parser for job applications."*

8. Security & Privacy Tools

36. *"Create a password strength checker with feedback."*
37. *"Build an encrypted file-sharing web app."*
38. *"Develop a two-factor authentication (2FA) generator."*
39. *"Design a VPN status checker for your connection."*
40. *"Make a data breach lookup tool using Have I Been Pwned API."*

9. Gaming & Fun Tools

41. *"Build a random number generator for lottery picks."*
42. *"Create a rock-paper-scissors game with a score tracker."*
43. *"Develop a trivia quiz app with multiple categories."*
44. *"Design a pixel art drawing tool with colour palettes."*
45. *"Make a virtual dice roller for tabletop RPGs."*

10. Education & Learning Tools

46. *"Create a flashcard app with spaced repetition."*
47. *"Build a language pronunciation tool with audio."*
48. *"Develop a math equation solver with steps."*
49. *"Design a periodic table explorer with element details."*
50. *"Make a typing speed test with WPM calculation."*

11. Health & Fitness Tools

- 51. *"Build a BMI calculator with health recommendations."*
- 52. *"Create a workout planner with exercise GIFs."*
- 53. *"Develop a water intake tracker with reminders."*
- 54. *"Design a calorie counter with a food database."*
- 55. *"Make a meditation timer with nature sounds."*

12. File & Document Tools

- 56. *"Create a PDF merger/splitter web app."*
- 57. *"Build a text-to-speech converter."*
- 58. *"Develop a file format converter (e.g., PNG to JPG)."*
- 59. *"Design a document signing tool with e-signature support."*
- 60. *"Make a plagiarism checker using text comparison."*

13. E-Commerce Tools

- 61. *"Build a product price comparison scraper."*
- 62. *"Create a discount/coupon code finder."*
- 63. *"Develop a Shopify product CSV importer/exporter."*
- 64. *"Design a shipping cost calculator for e-commerce."*
- 65. *"Make a virtual try-on tool for glasses/clothing."*

14. Real-Time Collaboration Tools

- 66. *"Create a collaborative whiteboard with WebSockets."*
- 67. *"Build a live polling/voting system."*
- 68. *"Develop a shared to-do list with real-time updates."*
- 69. *"Design a multiplayer tic-tac-toe game."*
- 70. *"Make a video call app using WebRTC."*

15. Accessibility Tools

- 71. *"Build a colour contrast checker for WCAG compliance."*
- 72. *"Create a screen reader simulator for testing."*
- 73. *"Develop a dyslexia-friendly text converter."*
- 74. *"Design a keyboard navigation tester."*
- 75. *"Make a font size adjuster for better readability."*

16. Geolocation & Map Tools

- 76. *"Create a distance calculator between two points."*
- 77. *"Build a nearby places finder using Google Maps API."*
- 78. *"Develop an IP geolocation lookup tool."*
- 79. *"Design a travel itinerary planner with maps."*
- 80. *"Make a running/cycling route tracker."*

17. Entertainment & Media Tools

- 81. *"Build a movie recommendation engine."*
- 82. *"Create a Spotify playlist generator."*
- 83. *"Develop a YouTube video downloader (frontend only)."*
- 84. *"Design a book finder using the Google Books API."*
- 85. *"Make a GIF search engine using Giphy API."*

18. Automation & Scripting Tools

- 86. *"Create a web scraper for extracting article titles."*
- 87. *"Build a cron job scheduler with a UI."*
- 88. *"Develop a bulk email sender (SMTP integration)."*
- 89. *"Design a no-code workflow automation tool."*
- 90. *"Make a Twitter bot dashboard for scheduled posts."*

19. Testing & Debugging Tools

- 91. *"Build a website speed tester (like PageSpeed Insights)."*
- 92. *"Create a broken link checker for websites."*
- 93. *"Develop a mobile responsiveness tester."*
- 94. *"Design an HTTP header analyzer tool."*
- 95. *"Make a browser compatibility checker."*

20. Miscellaneous Tools

- 96. *"Create a random meal generator with recipes."*
 - 97. *"Build a barcode scanner using the camera API."*
 - 98. *"Develop a horoscope/daily fortune teller."*
 - 99. *"Design a virtual coin flip/decision maker."*
 - 100. *"Make a countdown timer for events with sharing options."*
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