

Final Rolling Project – HTML & CSS with Artificial Intelligence

Project Goal

In this project, students will build a complete website step by step (Rolling Project), inspired by the final design shown in the presentation (final css.pptx), and using the provided assets available in the Google Drive link:

<https://drive.google.com/drive/folders/1JOCHXeDXHbW23IK2aKg3rnlNS6Ztv52q?usp=sharing>.

Students will work in a Human + AI collaboration model, using tools like ChatGPT, GitHub Copilot, or Claude to generate, improve, and explain code — while ensuring they understand, review, and fix what the AI produces.

AI Learning Principles

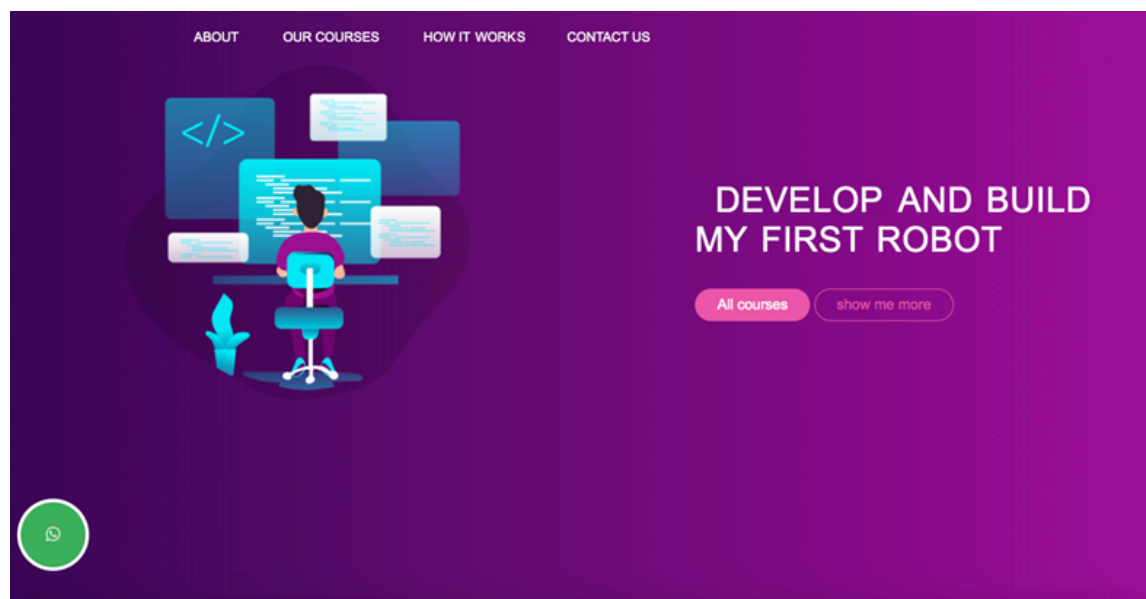
- Use AI as a learning partner, not as a copy-paste generator.
- Each phase includes a 'Chat with AI' step – where students prompt, analyze, and refine.
- Students must demonstrate critical thinking: understanding why the AI suggested something.
- In the final submission, include a short reflection on AI usage:
“In this phase I used AI to ___, it suggested ___, and I improved it by ___.”

[Download Assets](#)

Rolling Project Phases

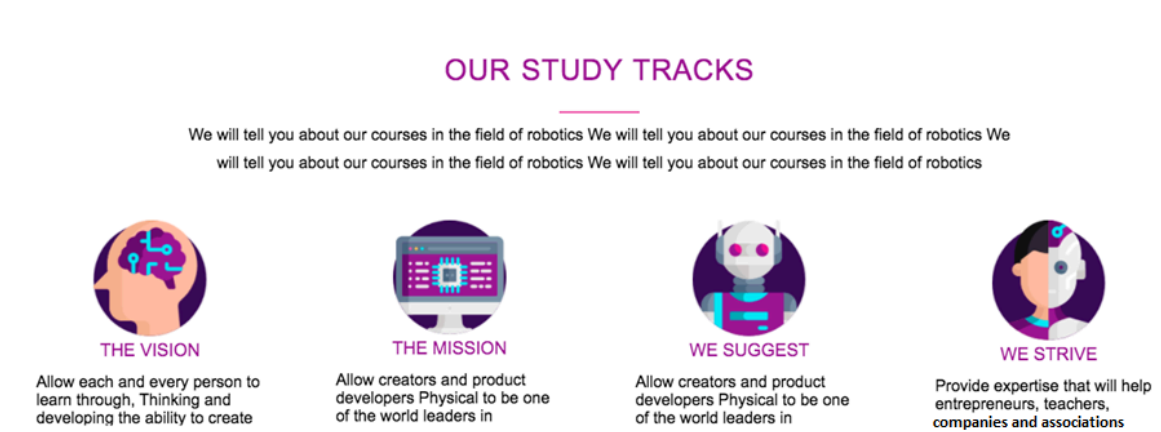
Phase 1 – Website Structure (Basic HTML)

Build the initial HTML skeleton. Create index.html with header, main, footer, title, and one image from assets. AI prompt: 'Write basic HTML code for a landing page with a title and background image.'



Phase 2 – Create and Link the CSS File

Connect HTML with CSS and add basic styling. AI prompt: 'Suggest a clean color palette and generate matching CSS code.'



Phase 3 – 'About' Section

Add semantic structure and layout with text and image. AI prompt: 'How can I position text and an image side-by-side using Flexbox?'



Phase 4 – 'Services' Section

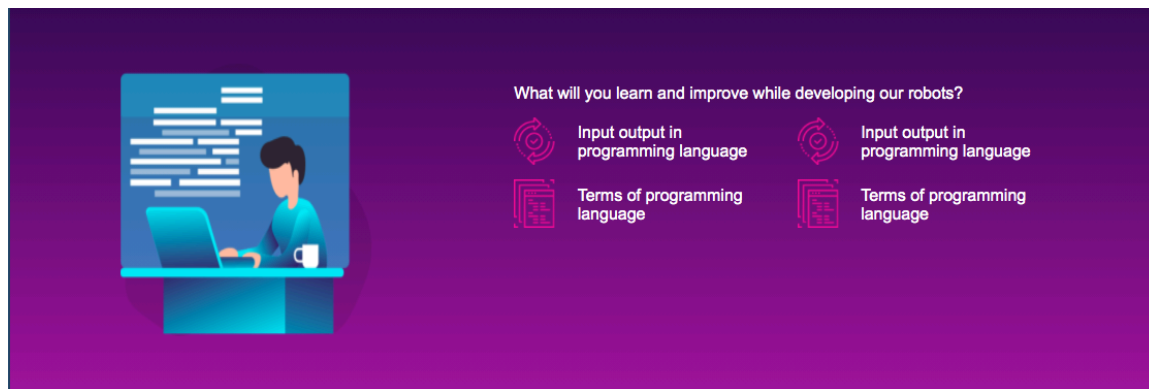
Add 3 service boxes with icons, titles, and descriptions. AI prompt: 'Write CSS for three service cards with equal spacing and a smooth hover effect.'

HOW IT WORKS



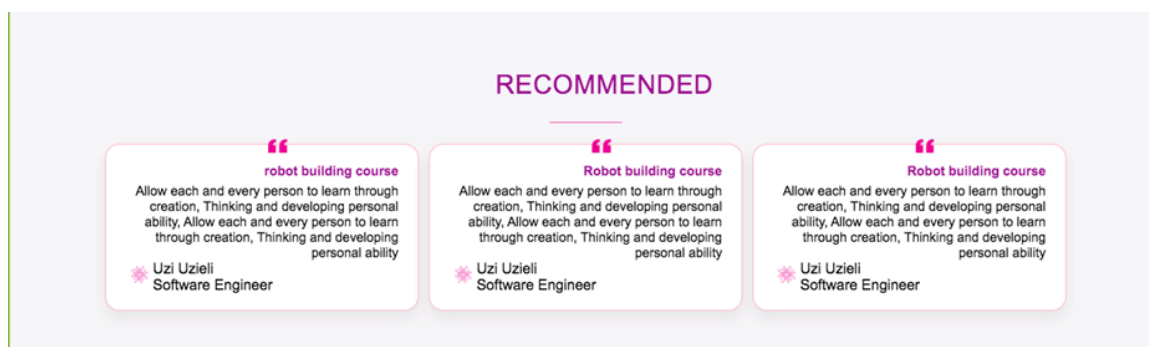
Phase 5 – Gallery / Portfolio

Add 6 images using CSS Grid. AI prompt: 'Create a 3x2 image gallery using CSS Grid with equal spacing and rounded corners.'



Phase 6 – Contact Section

Add a form with name, email, and message fields, styled with a white background. AI prompt: 'How can I center a contact form with Flexbox and add a hover effect to the button?'



Phase 7 – Navigation Bar (Navbar)

Add a navigation bar with internal links, fixed at the top. AI prompt: 'Generate a transparent navbar that changes color after scrolling.'

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Phase 8 – Animations & Effects

Add hover transitions and one CSS animation. AI prompt: 'Write CSS keyframes for a 2-second fade-in animation on a heading.'

Contact Us


first name

last name

phone

message

send

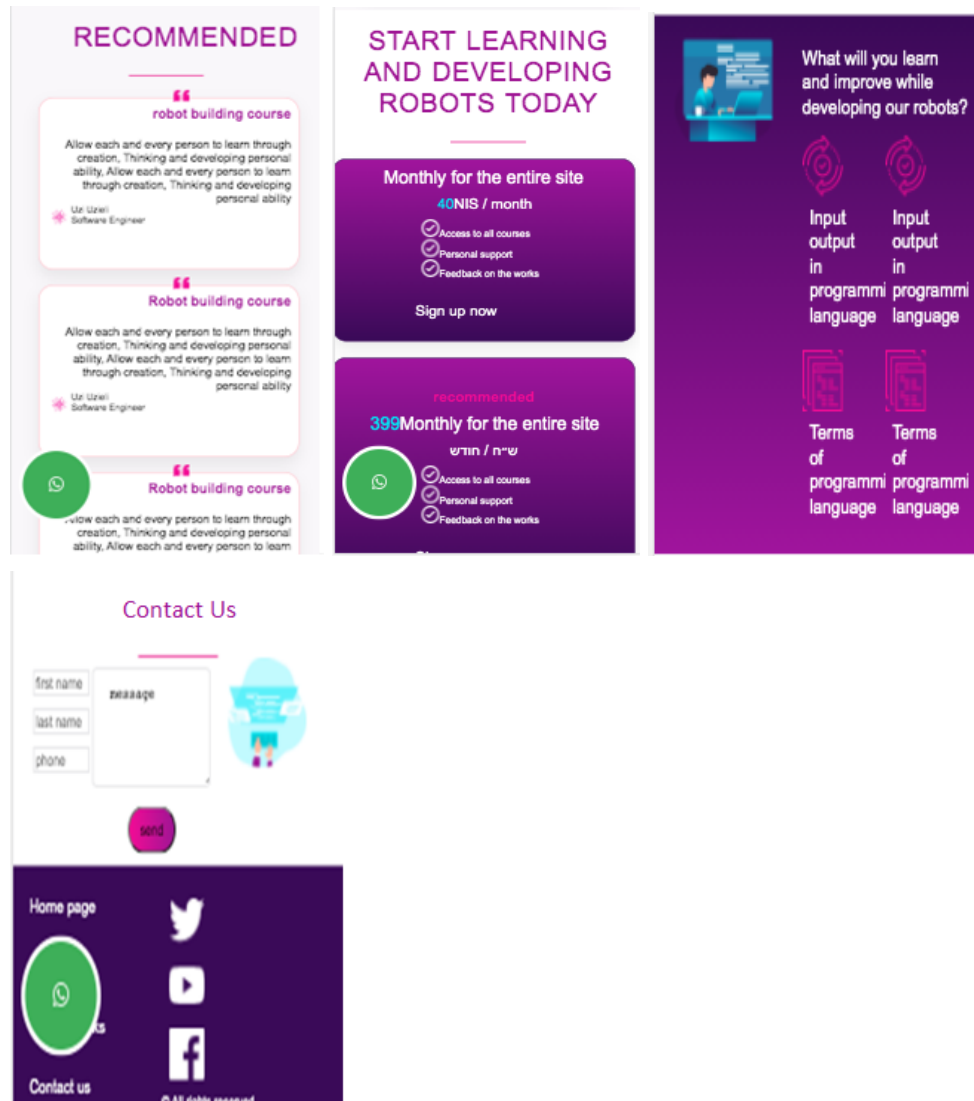


Phase 9 – Footer

Add footer with copyright and social icons. AI prompt: 'Design a centered dark footer with white text and small social icons.'

Phase 10 – Mobile Responsiveness

Add media queries for smaller screens. AI prompt: 'How can I turn my Flexbox row into a single column on mobile devices?'



Final Submission

Submit a folder containing:

- index.html
- style.css
- images/ folder (from the assets)
- ai_usage.txt (3–5 sentences explaining AI use, suggestions, and manual improvements)

Grading Rubric

Category	Points
Correct and Semantic HTML	20
Professional and Consistent CSS	20
Proper use of Flexbox/Grid	15
Full Responsiveness (Mobile Support)	15
Intelligent and Responsible AI Usage	20
Reflection & Critical Thinking	10