RESUMEX

Project Report Guide — Part 2

A structured explanation of the plan, HTML, CSS, JavaScript, testing, deployment and lessons learned.

Project: CV / Resume Builder
Developer: Oguaka Dalu — Dalufx Company
Product name: RESUMEX
Tagline: Build Your Future, One Resume at a Time.

1. Plan

What users enter: Personal details, professional title, email, phone, location, profile summary, education, work experience, skills and optional certifications, languages and projects. They can also add a profile photo and choose a CV template.

What users get: A live CV preview that updates as they type, selectable layouts, browser-based draft saving and a print option that can save the CV as PDF.

Problem: Job seekers may find it difficult to organise career information and design a neat CV. RESUMEX provides a guided form and ready-made layouts.

Worked example: A fresh graduate enters their name, contact details, school, qualification, course, graduation year and skills. The preview arranges the details into the selected layout. The user checks the result and chooses Print → Save as PDF.

2. HTML — page structure

HTML provides the structure and content. The project uses separate pages:

• **index.html:** introduces RESUMEX and links to the builder.

• **builder.html:** contains the CV form, template gallery and live preview.

• **settings.html:** contains install guidance, appearance/privacy controls and CV backup/restore.

• **team.html:** introduces Dalufx Company and provides contact/project links.

• **Input types:** text for names and titles; email for email addresses; tel for phone numbers; file for profile photos; textareas for longer descriptions; buttons for actions.

The builder is divided into personal information, education, work experience and skills/extras. Labels and placeholders guide users through the form.

3. CSS — appearance and responsive design

The RESUMEX interface keeps its existing colour direction: deep ink/navy, purple accents, warm gold highlights, white surfaces and light grey backgrounds. DM Sans and Manrope provide a clean modern appearance. The Dalufx team page has its related navy, teal and cream palette.

• Cards, spacing, borders and rounded buttons group related information.

• Template styles change the CV preview appearance.

• Media queries rearrange navigation, columns and cards for smaller phone screens.

• Print styles aim to keep the CV paper area suitable for printing or saving as PDF.

4. JavaScript — important behaviour

Live preview: JavaScript reads the form values and updates the preview when the user types. This gives immediate feedback.

Plain-language logic: Read form fields → collect repeatable education and experience entries → refresh the preview → save the current draft locally.

Formula: RESUMEX is not a calculator. It does not calculate a money total. Its main JavaScript logic processes form data and updates what appears on the screen.

Template selection: JavaScript stores the chosen template name in the browser and applies it to the preview. CSS uses that selection to show the matching design.

Repeatable entries: Add buttons create more education or experience cards; Remove buttons delete a selected card. The preview refreshes after changes.

Saving: CV draft data is stored in localStorage on the current device/browser. It is not sent to a RESUMEX cloud account. A browser storage-full condition displays a warning.

PDF output: Download CV opens the browser print flow. The user selects Save as PDF where available. This is browser print-to-PDF, not server-generated PDF.

Empty fields: Empty optional sections are not displayed as completed content. Empty education/experience areas show placeholders. There is no arithmetic calculation for which zero is a special case.

5. Testing

Run these checks on the device/browser used for the presentation. Record only results you personally verified.

Test	Expected result
Enter name and job title	Preview heading updates.
Enter email and phone	Contact information appears.
Add two education entries	Both entries appear in preview.
Add and remove experience	Preview reflects both actions.
Add a referee	Referee details appear in the CV preview.
Choose another template	Preview design changes.
Save then refresh	Draft returns in the same browser.
Tap Download CV	Print dialogue opens; choose Save as PDF.
Open on a phone	Layout remains readable at narrow width.

6. Putting it online

RESUMEX is a static website made from HTML, CSS and JavaScript. To publish it, upload the complete project folder to a static hosting service such as Netlify or GitHub Pages. The host provides a public HTTPS link. PWA installation requires HTTPS (or localhost during development).

Submission honesty: The package contains deployment instructions, but the final public RESUMEX URL must be added only after uploading the project and opening the link successfully. Do not describe a planned link as live.

Final project URL: _____

7. What I learned

Hardest part: Connecting form fields to the live preview while keeping repeated education and experience entries organised. I used JavaScript functions to read values, create entry cards and refresh the preview.

Use of AI: AI support was used for planning, explanations, debugging suggestions and documentation. I reviewed the project and remain responsible for understanding, checking and demonstrating the final work.

One more week: I would add stronger validation, more accessibility checks, more device/browser testing and improved PDF page controls.

Conclusion

RESUMEX helps job seekers organise career information into a professional-looking CV. Its main features are a guided form, live preview, selectable layouts, local draft saving and print-to-PDF output. The project demonstrates HTML structure, CSS design and responsive layout, and JavaScript interaction.