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| **Author** | **Reviewer** | **Approver** |
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**Exercise: Build a Contact Us Page Using Vibe Coding with Replit Agent**

## 1. Objective

* Create a clean, responsive, and interactive **Contact Us page** using **Vibe Coding** in combination with the **Replit Agent**.
* This exercise helps you understand how AI-powered development tools can accelerate form building, layout structuring, validation, and styling — all without writing backend code. You'll focus purely on the **front-end experience** and smart use of AI support.

## 2. Problem Statement

Contact forms are essential for user engagement, feedback, and business communication. However, building well-structured and aesthetically pleasing forms with proper validation can be tedious and repetitive.

This task challenges you to build a professional **Contact Us page** with only frontend technologies — using **Vibe Coding and Replit Agent** to generate HTML, CSS, and JavaScript. You will explore how AI can enhance UI creation, automate validation rules, and streamline visual refinement.

## 3. Inputs / Shared Artifacts

* You must define your own structure with fields such as:
  + name, email, subject, message
* Use **Vibe Coding** to scaffold the layout and styling
* Use **Replit Agent** to assist with form validation, accessibility, and responsiveness
* No database, storage, or backend connection is required

## 4. Expected Outcome

* A polished, front-end-only **Contact Us** page that includes:
  + A form with labeled input fields (name, email, subject, message)
  + Real-time validation (e.g., required fields, proper email format)
  + Responsive layout across devices
  + Clear and visually engaging design using CSS (or Tailwind/Bootstrap if preferred)
  + Evidence of how Vibe Coding and Replit Agent accelerated form creation and validation
* A short demo video walking through the form and AI-assisted development process

## 5. Concepts Covered

* **AI-Accelerated Front-End Development**: Using Vibe Coding and Replit Agent to generate layout, form, and validation logic
* **HTML/CSS/JS Integration**: Structuring semantic HTML with styling and interactivity
* **Form Validation**: Adding dynamic client-side input validation
* **Design Thinking**: Creating user-friendly, mobile-ready contact forms
* **AI-Enhanced Workflow**: Prompting, refining, and correcting code using Replit Agent

## 6. Example: Step-by-Step Instructions

*(Topic Example: Appointment Scheduler Using Vibe Coding and Replit Agent*  
 *For practice only; in your assignment, build a Contact Email or Booking app as required.)*

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| **Step** | **Description** |
| **Step 1** | Define your form fields: name, email, subject, message |
| **Step 2** | Use Vibe Coding to scaffold a basic HTML form layout Prompt: *"Generate a contact form with labels and inputs for name, email, subject, and message."* |
| **Step 3** | Use Replit Agent to add CSS styling and responsiveness Prompt: *"Style this form to be mobile-friendly and visually clean using modern CSS."* |
| **Step 4** | Add client-side validation logic for required fields and email format Prompt: *"Add JavaScript validation to ensure name, email, and message are filled, and email is valid."* |
| **Step 5** | Refine layout and accessibility with AI suggestions |
| **Step 6** | Document how AI helped, including key prompts used and time saved |
| **Step 7** | Record a short demo video showing form functionality and AI-driven steps |

## 7. Final Submission Checklist

**Screen Recording (max 5 minutes):**

* Walkthrough of the Contact Us page
* Narrate how Vibe Coding and Replit Agent supported your work

**Supporting Files:**

* Source code archive or project link
* Short documentation (README or PDF) with:
  + Main prompts used with Vibe Coding and Replit Agent
  + Summary of experience, AI benefits, and challenges

**Note for Mentee:**  
 You must invent your own sample data and form structure for the chosen app (Contact Email or Booking).  
 Focus on how Vibe Coding and Replit Agent accelerated development and improved your coding process.  
 Document your key learning points and workflow improvements.