


```

        placeholder="Describe your software requirements...",
        lines=5
    )
    analyze_btn = gr.Button("Analyze")

    with gr.Column():
        analysis_output = gr.Textbox(label="Requirements Analysis", lines=20)

    analyze_btn.click(requirement_analysis, inputs=[pdf_upload, prompt_input],
outputs=analysis_output)

    with gr.TabItem("Code Generation"):
        with gr.Row():
            with gr.Column():
                code_prompt = gr.Textbox(
                    label="Code Requirements",
                    placeholder="Describe what code you want to generate...",
                    lines=5
                )
            language_dropdown = gr.Dropdown(
                choices=["Python", "JavaScript", "Java", "C++", "C#", "PHP", "Go", "Rust"],
                label="Programming Language",
                value="Python"
            )
            generate_btn = gr.Button("Generate Code")

        with gr.Column():
            code_output = gr.Textbox(label="Generated Code", lines=20)

    generate_btn.click(code_generation, inputs=[code_prompt, language_dropdown],
outputs=code_output)

app.launch(share=True)

```