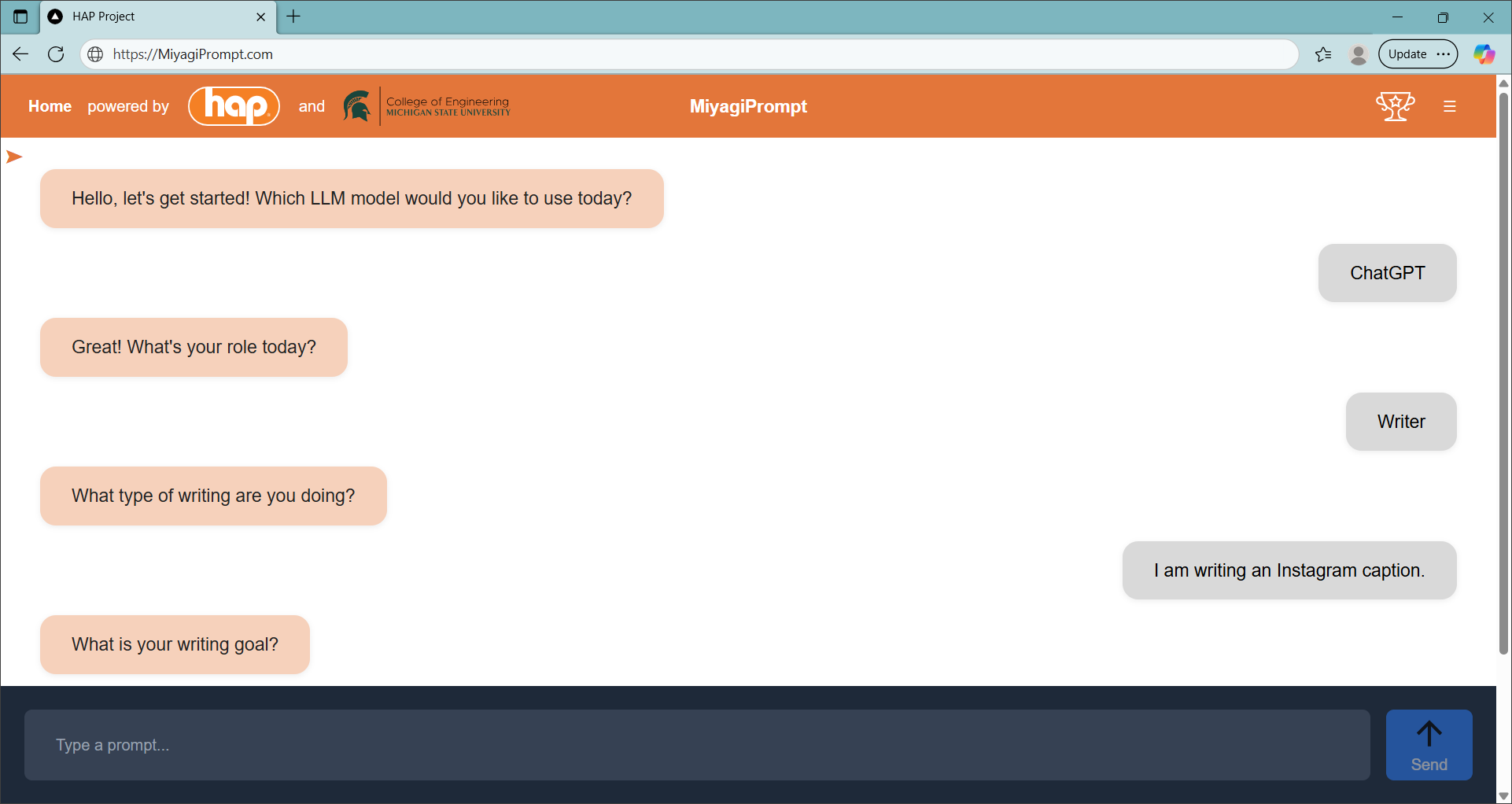
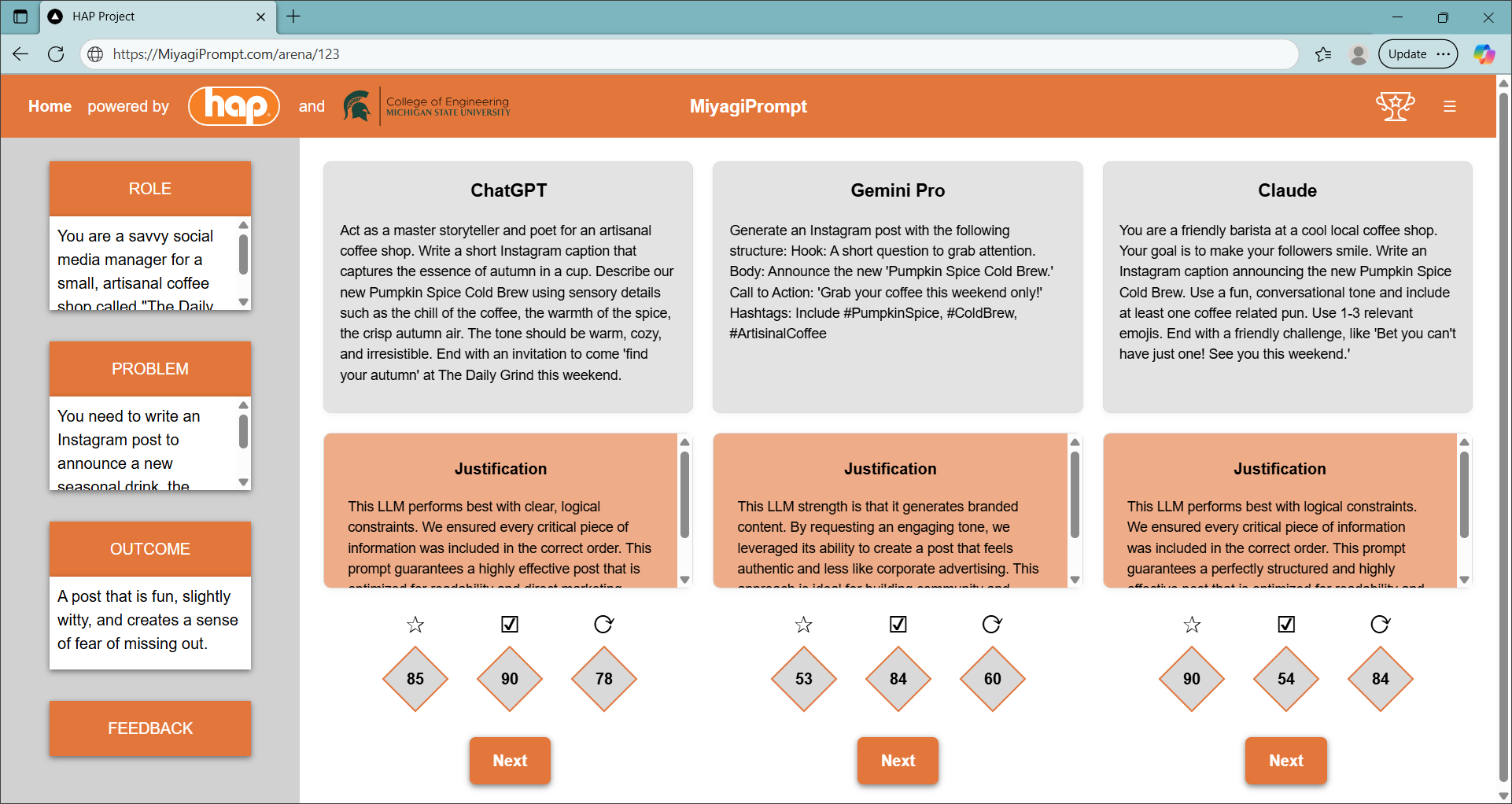
Design Day Booklet Team Page





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HAP

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Health Alliance Plan is a health insurer based in Detroit, Michigan that provides coverage for both individuals and businesses of all sizes. HAP serves over 430,000 members across the state of Michigan. By sponsoring innovative projects, HAP supports the development of tools that make technology more accessible.

Artificial intelligence is a technology sector that is rapidly evolving and is becoming a quintessential tool in the workplace. However, a majority of its users struggle to write effective prompts. Without clear guidance, they risk vague or low-quality results from artificial intelligence systems.

HAP is looking for a way to improve the user’s prompt engineering skills and wants to make this technology accessible to anyone.

MiyagiPrompt is a tool where any user who interacts with our software can improve their prompt-engineering skills. By breaking down the components of a strong prompt, our system helps users craft better instructions for large language models like ChatGPT, Claude, Gemini Pro, and more.

The system provides a live, prompt quality scorecard which contains three different categories on how a prompt is evaluated. Based on the user’s role, they can interact with the system in a chat-like manner and receive a final prompt. From there, the user is redirected to a page recommending top large language models where they can select their desired model for their prompt’s specified outcome. Users can give feedback to improve the scoring model, making the tool smarter over time.

Our application is built with a React and Next.js front end hosted on Vercel, a Python FastAPI back end deployed on Render with a database layer, and Supabase managing PostgreSQL storage for data and user feedback.

CSE498 | 8:00 a.m. – Noon Computer Science and Engineering, Third Floor | 3200/3300 Hallway

HAP

Prompt Assistant: Mastering the Art of Prompt Engineering