

Website Content Management System (CMS)

I propose to develop a CMS that allows users to create, design, and edit webpages and websites through direct manipulation and menus, forms and dialogs interfaces. The website will handle authentication, will hopefully create and manage databases through a graphical user interface, and will allow for "elements" to be dragged and dropped onto a website layout screen. I propose that the system be built using Java on both the front (using JavaServer Faces) and backend. The system will target commercial users and will support standard web store features including a shopping cart and a payment management menu.

Instant Web And Mobile Application Deployment

I propose to develop an application that accepts input in LaTeX and deploys a web and mobile web version of the input either in Java using JavaServer Faces or in HTML, CSS, and Javascript. The application will parse input LaTeX and will offer users an interface to input style preferences for the output designs.