

For this week, I looked into several UI design applications. I researched and messed around with Tkinter, Streamlits, Gradio, Mesa, and Grafana. I tried designing basic UI functionality and messing around with it in general. From my findings, the most important factor I found was that Grafana supported time-series functionality and made it easier to work with several features that revolve around this aspect. It seems to be made for projects that are like our own since it is based around helping visualize data and monitoring key data metrics. Gradio seems to be the most straightforward and simplest one. Mesa seems to be the most complex and difficult one since it deals with agent-based modeling and frameworks. I will discuss my comparisons during the meeting this upcoming week and see what people think but I am pretty confident that we will be using Grafana.