# Design Story

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– Very early on, this application began as something which was run on the command line. There was very little interaction from the user other than typing in the correct arguments and pressing the enter key. A basic version of the algorithm was written in java for two main reasons: first, java was the language the team was most comfortable with for programming a grouping algorithm; second, if we coded the algorithm well, we should theoretically have better performance compared to an algorithm written in Python.

– We then decided to add in the user experience. Again, we decided to use technologies which we understood best for developing a simple web application: Python and Flask. With a little bit of HTML and CSS, we were able to get the application to look the way we wanted it to.

– Finally, we integrated the command line functionality with the graphical user interface to complete our first iteration of the application.