



Timin Kanani, Mark Vinciguerra, Michael Xu, Benyamin Trachtenberg, Andrew Brownback  
Client Name: Professor Osama Alshaykh

### Abstract

Our team developed a web application that allows users to create their own custom application by simply specifying the features they desire in plain English. The application uses natural language processing (NLP) models and API calls to retrieve feature files from our Google Firebase data lake. Our final deliverable is a user-friendly web application that can accommodate the 20 most common features found in applications and accurately classify requested features with high accuracy. One of the most innovative features of this application is its use of NLP, allowing users to simply specify their desired features in plain English. This makes the application highly user-friendly, as anyone can easily create their own custom app without any technical expertise. We believe that this project has the potential to greatly streamline the process of application development and make it accessible to a wider audience. We are excited to bring this innovative solution to the market and look forward to seeing the impact it has.