**Technique and Data Source**

The product would be built to be a web application, which requires zero installation and highly accessible at whenever and wherever. In order to build a high performance, scalable, fault tolerant and feasible application, we proposed to use Django web framework with Mysql database to build a Restful API to handle the overall request/post operations. The Restful API acts as an intermediary between the backend data process and the frontend data presentation. It enables separation between variant products that shares same database, and is very manageable and scale for complicated data structure and future derivatives. Mysql is one of the most popular open source database systems. It is very powerful in industry use. It is considered as first supporting database in Django so that we are able to save a lot time by using preprogrammed models and spend time on building the most valuable features. For the frontend, some framework would be promising, such as BootStrap, AngularJs, etc. That aims to deliver high quality user experience.

The product would be like an EHR. The database schema would be patient-centralized in a rational way. Due to lack of accessibility to suitable EHR data, we will mimic the case of Silver Fox and generate some sample data to show our work.