A three-tier architecture pattern was chosen for the Smart City web application for a number of reasons. The segregated nature of a three-tier architecture, with the presentation layer, application layer and database layer being separated, allows for each tier to be upgraded separately without affecting the function of the others. Having separated layers also allows the web application to be easily expanded to other cities with the addition of another database and minimal addition of code, additional web servers can also be easily added if the application grows in users. This architecture offers better data security and integrity as the user is not interacting with the database directly and any inputs a user enters can easily be vetted in the application layer before being added to the database. Additionally, three-tier architecture allows the developers to easily work to their strengths, whether that be backend or frontend