Research was conducted to understand Ethereum and Solidity. After a base auction code was required, changes were made to add the extra features to the auction. The code was then run multiple times to make sure that the ethers were correctly being distributed.

The overall result of this project was that a smart contract was built for a blockchain-based auction that uses components of a minimum-bid auction merged with a component of a Vickrey auction. The auction lets the seller set the minimum bid and the highest bidder gets to pay the second-highest bid. Albeit most of the functions have to be manually selected, such as changing the bidder, the auction runs smoothly. In the end, the project was a success because met the criteria set for it, which was to set up a functioning auction and add the extra Vickrey auction component.

Blockchain has countless possibilities, but for this specific blockchain-based auction, future research would include being able to use third-party timers to restrict the amount of time the bidders have to bid to automate the closing of the auction if said time runs out. This would give a more auction-like feel to the project. Another thing to possibly work on in the future is to format a front-end website for this auction where different people are the bidders and they decide the bids, instead of the bidders having to be manually selected.