This design project is focused on vehicle safety. The goal of the project is to create a new and improved side view mirror that allows drivers to see blind spots without adjusting the position of their mirrors. In order to design such a mirror, a part of the mirror was designated to the blind spot. This part of the mirror is in sync with a motion-sensor and detects a car when it passes by. Once the car is detected, the sensor will cause the mirror to move in the relevant direction. The sensor can only be set to detect the automobile in the blind spots of the car.

It is expected that the mirror will signal if it is safe for the driver to switch lanes. In order to have this accomplished, an LED will be attached to the mirror to turn green when the sensor is off and red when the sensor is on. There will be an additional LED that turns green to indicate to the driver that switching lanes is safe. A red light, once turned on, will indicate that it is not safe to switch lanes.

The project team was influenced by the Eisenhower Fellowship scholarship, which was granted to Benjamin Brown and Algernon Evans. Amos was added to the group because of his achievements in ethics and leadership; he is the team leader. Every individual in the team will collect data and write notes on the results. The team meets at least twice a week to put all of the ideas together to make sure we have the same level of understanding for all team members.

This project is believed to produce a great product for automobile companies, especially for driving at high speeds and in large vehicles. Also, this product could help decrease the rate of automobile collisions and safety issues. Ultimately, this product will improve automobile safety. This project will provide drivers with a sense of well-being and security by providing a complete side view of their automobile while driving and by improving their overall driving performance.