Requirement List

- **Accurate perception:** The virtual self-driving car must be able to accurately perceive the environment it is operating in, including other vehicles, pedestrians, and obstacles.

- **Safe driving**: The virtual self-driving car must be programmed to drive safely and obey traffic laws, including speed limits, traffic signals, and other regulations.

- **Navigation:** The virtual self-driving car must be able to navigate to a destination using a variety of input sources, including GPS, maps, and other sensors.

- **Communication:** The virtual self-driving car must be able to communicate with other vehicles and infrastructure, including traffic lights, to ensure safe and efficient driving.

- **Human interaction:** The virtual self-driving car must be able to interact with human passengers in a variety of situations, including emergencies and unexpected events.

- **Security:** The virtual self-driving car must be secure from hackers and other malicious actors who may attempt to take control of the vehicle or steal data.

- **Maintenance:** The virtual self-driving car must be easy to maintain and update, with regular software updates and patches to ensure optimal performance.

- **Energy efficiency:** The virtual self-driving car should be energy-efficient, with a low carbon footprint and the ability to operate on renewable energy sources.

- **Cost-effective:** The virtual self-driving car should be cost-effective, with a reasonable price point that makes it accessible to a wide range of users.

- **Accessibility:** The virtual self-driving car should be designed to accommodate users of all abilities, including those with disabilities or mobility challenges.